Power Industry
Silicone Rubber

www.djsilicone.com

DONGJUE SILICONE GROUP CO.,LTD

Address: No.196, Fuyin Eastern St., Qiaolin,Pukou Dist.,
Nanjing City, Jiangsu Province

Tel: 025-58231473

Postal Code: 211806

DONGJUE SILICONE GROUP CO.,LTD

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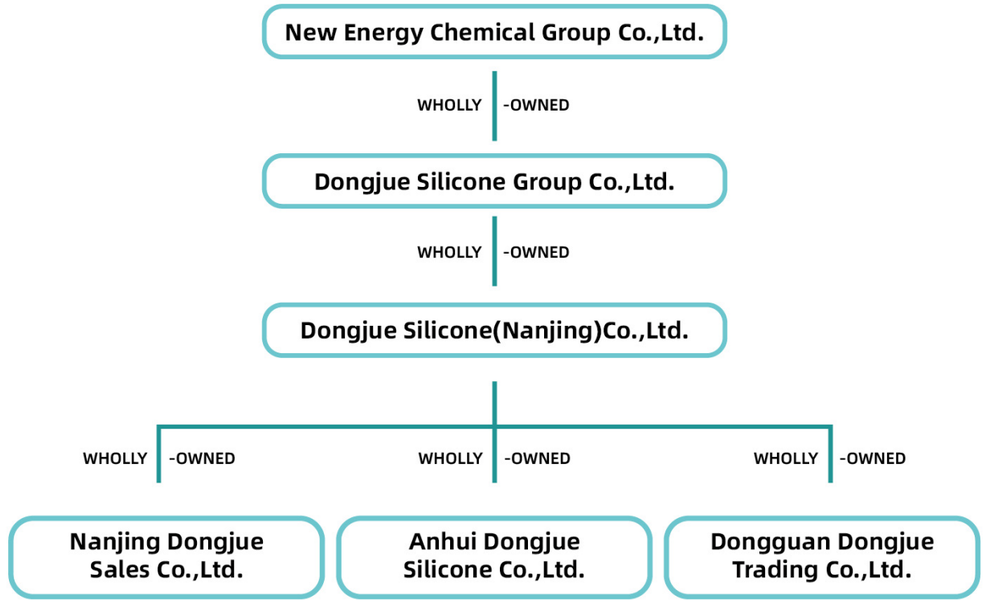
COMPANY STRUCTURE



Contact

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With the continuous development of global economy and industrial upgrading, silicone rubber wires and cables will certainly applied in a wider range of fields. At present, they are mainly used in aviation, aerospace, automotive, chemical, petroleum, electric power and other fields. But in the future, with the advancement of technology, the market demand for silicone rubber wires and cables will increase and they will be applied more widely.

Technological progress will lead to performance improvements of silicone rubber wires and cables. Currently, the high temperature resistance has reached more than 300℃, and it will be further improved in the future. At the same time, the chemical corrosion resistance will also be improved to adapt to more harsh environments. These performance improvements, among others, will enable silicone rubber wires and cables to better meet the needs of a variety of special environments.

Environment-friendly awareness is also an important trend in the development of silicone rubber wires and cables. As people raise their environment-friendly awareness gradually, we will see a rising market demand for our products. Silicone rubber wires and cables are such environment-friendly and recyclable materials that they are bound to possess a greater market advantage in the context of increasing environmental requirements.

In summary, the development trend of silicone rubber wires and cables is mainly reflected in wider application fields, improved performance and better environmental-friendliness. With technological progress and higher environmental awareness, silicone rubber wires and cables will play an important role in more fields, thus bringing huge business opportunities for investors.

DJSilicone

About Us

Dongjue Silicone Group Co., Ltd.("DJS"), with a registered capital of HKD 100 million, is a holding company specialized in investment in the silicone industry that was incorporated by Hong Kong New Energy Chemicals Group Company Limited ("NECG") in 2001 in Hong Kong. NECG has been involved in research, production and sales in the silicone industry as early as the beginning of 1990s.

DJS invested and founded Dongjue Silicone (Nanjing) Co., Ltd. (“Nanjing Dongjue”) and Nanjing Dongjue Sales Co., Ltd. (“Dongjue Sales”) in Nanjing, Jiangsu Province; invested and founded Dongguan Dongjue Trading Co., Ltd. (“Dongguan Dongjue”) in Dongguan, Guangdong Province; and invested and founded Anhui Dongjue Silicone Co., Ltd. (“Anhui Dongjue”) in Ma'anshan, Anhui Province.

Nanjing Dongjue,founded in 1996, is one of the largest professional manufacturers of silicone rubber in mainland China, with a registered capital of USD 63.3 million, a total land area of 342,000 square meters and a gross floor area of around 84,000 square meters, which includes various office buildings, factories and large warehouses. Nanjing Dongjue boasts a team of experts and senior technicians with years of research experience in fields related to silicone rubber and silicone rubber products. The company's main production equipment and techniques are among leaders within the domestic industry. Now Nanjing Dongjue has formed a relatively comprehensive product chain extending from silicone gum, silicone rubber compound, insulating silicone rubber, fumed silicone rubber to silicone rubber products. Nanjing Dongjue has an annual production capacity of 150,000 tons of silicone rubber, 18 series of products. All kinds of products comply with EU REACH regulations and EU ROHS directive, some products have been certified by UL and some have passed FDA and LFGB test standards.

Dongjue Sales,founded in 2010,with a registered capital of RMB 70 million,is mainly specialized trading in the silicone industry.

Dongguan Dongjue,founded in 2010,with a registered capital of RMB 1 million,is specialized in sales and technical support of silicone products.

Anhui Dongjue, established in 2018 with a registered capital of RMB 320 million, Anhui Dongjue covers an area of 160,000 square meters with a construction area of 47,000 square meters. Till now Anhui Dongjue had formed a silicone gum capacity of 70,000 tons per year and a silicone rubber compounds capacity of 80,500 tons per year. It will eventually form a silicone gum capacity of 190,000 tons and a silicone rubber compounds capacity of 100,000 tons in future.

In the fiscal year of 2023, Dongjue Group posted sales of silicone rubber and related products of almost RMB 1.3 billion, ranking among the market leaders of silicone rubber in mainland China. Meanwhile, Dongjue Group's products were sold in more than 30 countries and regions across Asia, Europe, Africa and North America, with its sales volume in markets outside mainland China accounting for 19% of the Group's total sales volume.

Honors

China AAA Grade Credit Enterprise

Excellent Science and Technology Achievement Award

Model Enterprise of China Fluorine and Silicon Industry

New High-Tech Products

R&D Project Innovation Award

Technical Team

The group company has built a R&D center, which was assessed as a municipal engineering technology research center in 2014. Covering a total area of nearly 1,500 square meters, the R&D center is well-equipped with 40 sets of large and medium-sized instruments as well as senior professionals and technicians. The company has signed a strategic cooperation agreement with The Key Laboratory of Organosilicon Chemistry and Material Technology of Hangzhou Normal University. The company also holds a number of invention patents and utility patents.

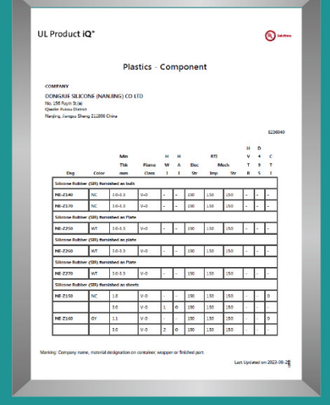
System Certification

ISO 9001 Quality System Certification

ISO 14001 Environment System Certification

ISO 45001 Occupational Health System Certification

IATF16949 System Certification



UL certification

Test Report

ROHS Testing

SVHC Testing

PFAS Testing

FDA Testing

LFGB Testing

CP65 Testing

Toxicity index testing of combustion products

Smoke density and oxygen index testing

Salt spray aging Testing

Hydrophobicity Testing

Applications
in Wires And Cables

Characteristics:

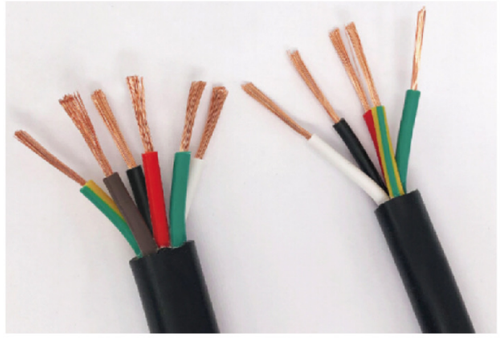
Excellent physical and electrical performance
Good extrusion and processing performance, smooth extrusion surface, and moderate plasticity
Passed ROHS and SVHC testing, etc.

Main Applications:

Ordinary wires and cables, etc.

Packaging, Transportation And Storage:

Packaging : 20kg/box
Transportation: Non-dangerous goods, and during transportation
Storage: It should be protected from rain and direct sunlight, and kept away from sources of fire and heat
Shelf Life: 9 months.

Technical Parameters
Of Products

Properties		Product Data			Test Method
		NE-5270	NE-7270	NE-271	
Appearance		Milk-white			Visual Inspection
Density, g/cm³		1.19-1.23			ASTM D792
Mooney Viscosity, 100℃ (1+4)		35-45			ASTM D1646-04
Physical Performance After Curing	Hardness, Shore A	67-72	67-72	67-73	ASTM D2240
	Tensile Strength, MPa ≥	6.0	6.5	7.0	ASTM D412
	Elongation at Break, % ≥	250	260	260	
	Tension Set, % ≤	7	7	7	
	Tear Strength Die C, kN/m ≥	16	16	16	ASTM D624
Compression Set, % 180℃*22h ≤		/	/	30	ASTM D395
Volume Resistivity , Ω·cm ≥		/	$1.0*10^{14}$	$3.0*10^{14}$	IEC 60093
Dielectric Strength , kV/mm ≥		20	21	22	IEC 60243

Remarks:
1.The physical performance data listed in the above table are for reference only.
2. Curing conditions: DCBP, 120℃*5 minutes, with an addition amount of 1.2%-1.4%. DCBP content: 45%-50%.
3. Due to differences in curing conditions and testing methods, we cannot guarantee same test results obtained by both parties. We recommend that users use the test data obtained under their own testing conditions as a reference for performance; the above performance data and applicable recommendations are only a reference for the performance of the company's products, and are not a guarantee of the effectiveness or universality of the company's products in any specific applications.

Applications
in Wires and Cables

Characteristics:

Excellent physical and electrical performance
Good extrusion and processing performance, smooth extrusion surface, and moderate plasticity
Passed ROHS and SVHC testing, etc.

Main Applications:

Applied to wires and cables with high physical and electrical performance requirements.

Packaging, Transportation And Storage:

Packaging : 20kg/box
Transportation: Non-dangerous goods, and during transportation
Storage: It should be protected from rain and direct sunlight, and kept away from sources of fire and heat
Shelf Life: 9 months.

Technical Parameters
Of Products

Properties		Product Data			Test Method
		NE-9270	NE-9670	NE-9870	
Appearance		Transparent	Transparent	Transparent	Visual Inspection
Density, g/cm³		1.17-1.23	1.17-1.23	1.17-1.23	ASTM D792
Mooney Viscosity, 100℃ (1+4)		35-45			ASTM D1646-04
Physical Performance Afte Curing	Hardness, Shore A	70±2	70±2	66±2	ASTM D2240
	Tensile Strength, MPa ≥	9.5	9.0	9.5	ASTM D412
	Elongation at Break, % ≥	400	350	400	
	Tension Set, % ≤	8	10.0	10.0	
	Tear Strength Die C, kN/m≥	22 *1	20 *2	23 *3	ASTM D624
Physical Performance After Post-curing	Hardness, Shore A	74±2	75±2	70±2	ASTM D2240
	Tensile Strength, MPa ≥	8.5	8.0	8.5	ASTM D412
	Elongation at Break, % ≥	300	280	300	ASTM D412
	Tear Strength Die C, kN/m ≥	20 *1	15 *2	22 *3	ASTM D624
Compression Set, % 180℃*22h ≤		30	30	35	ASTM D395
Volume Resistivity Ω·cm ≥		3.0×10^{14}	3.0×10^{14}	1×10^{15}	IEC 60093
Dielectric Strength , kV/mm ≥		24	22	24	IEC 60243

Remarks:
1. The physical performance data listed in the above table are for reference only.
2. Curing conditions: DCBP, 120℃*5 minutes, with an addition amount of 1.2%-1.4%, condition for post-curing: 200℃*4h. DCBP content: 45%-50%.
3. Due to differences in curing conditions and testing methods, we cannot guarantee same test results obtained by both parties. We recommend that users use the test data obtained under their own testing conditions as a reference for performance; the above performance data and applicable recommendations are only a reference for the performance of the company's products, and are not a guarantee of the effectiveness or universality of the company's products in any specific applications.
4. *1 and *2 are Tear Strength Die C, *3 is Tear Strength Die B.

Application of
Wind Power Lead Wires

Characteristics:

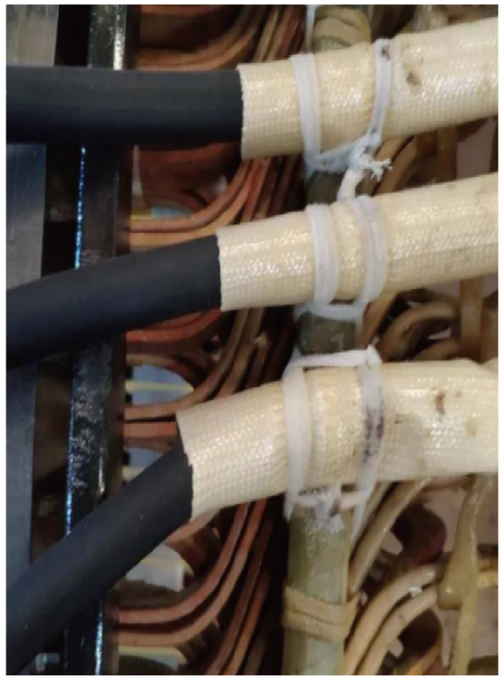
Excellent physical and electrical performance
Good extrusion and processing performance, smooth extrusion surface, and moderate plasticity
Passed ROHS and SVHC testing, etc.

Main Applications:

Applied to non-detachable flexible cables for motor winding connection.

Packaging, Transportation And Storage:

Packaging : 20kg/box
Transportation: Non-dangerous goods, and during transportation
Storage: It should be protected from rain and direct sunlight, and kept away from sources of fire and heat
Shelf Life: 9 months.



Technical Parameters
Of Products

Properties		Product Data NE-9370		Test Method
Appearance		Transparent		Visual Inspection
Density, g/cm³		1.18-1.22		ASTM D792
Mooney Viscosity, 100℃ (1+4)		35-45		ASTM D1646-04
Vulcanizing Agent		DBPH	DCBP	/
Physical Performance After Curing	Hardness, Shore A	70±2	70±2	ASTM D2240
	Tensile Strength, MPa ≥	9.0	9.5	ASTM D412
	Elongation at Break, % ≥	350	400	
	Tension Set, % ≤	8	8	
	Tear Strength Die C, kN/m ≥	40	22	ASTM D624
Physical Performance After Post-curing	Hardness, Shore A	75±2	74±2	ASTM D2240
	Tensile Strength, MPa ≥	8.0	8.5	ASTM D412
	Elongation at Break, % ≥	250	300	
	Tear Strength Die C, kN/m ≥	25	20	ASTM D624
Aging Test at 200℃*10 Days	Tensile Strength, MPa ≥	7.0	7.0	ASTM D412
	Elongation at Break, % ≥	200	200	
Volume Resistivity Ω·cm ≥		3.0×10^{14}	3.0×10^{14}	IEC 60093
Dielectric Strength , kV/mm ≥		24	22	IEC 60243

Remarks:
1. The physical performance data listed in the above table are for reference only.
2. Curing conditions: DBPH, 175℃*5 minutes, with an addition amount of 0.65%; DCBP, 120℃*5 minutes, with an addition amount of 1.2%-1.4%, condition for post-curing : 200℃*4h. .DBPH content: ≥92%, DCBP content: 45%-50%.
3. Due to differences in curing conditions and testing methods, we cannot guarantee same test results obtained by both parties. We recommend that users use the test data obtained under their own testing conditions as a reference for performance; the above performance data and applicable recommendations are only a reference for the performance of the company's products, and are not a guarantee of the effectiveness or universality of the company's products in any specific applications.

Application of Communication
Cold Shrink Tubing

Characteristics:

Excellent physical and electrical performance
Good extrusion and processing performance, smooth extrusion surface, and moderate plasticity
Passed ROHS and SVHC testing, etc.

Main Applications:

Applied to wires and cables, cable accessories and sheaths, etc.

Packaging, Transportation And Storage:

Packaging : 20kg/box
Transportation: Non-dangerous goods, and during transportation
Storage: It should be protected from rain and direct sunlight, and kept away from sources of fire and heat
Shelf Life: 9 months.




Technical Parameters
Of Products

Properties		Product Data		Test Method
		NE-941DL	NE-942DL	
Appearance		Transparent	Light yellow	Visual Inspection
Density, g/cm³		1.12-1.13	1.12-1.13	ASTM D792
Physical Performance After Curing	Hardness, Shore A	39-42	39-42	ASTM D2240
	Tensile Strength, MPa ≥	9.0	9.0	ASTM D412
	Elongation at Break, % ≥	800	800	
	Tension Set, %≤	7	7	
	Tear Strength Die C, kN/m ≥	40	40	ASTM D624
Resilience, %		53	53	ISO 4662
Elongation deformation modulus	300% 50℃*48h <	2	2	/
	300% 90℃*168h <	5	5	
	300% 175℃*8h <	10	10	
Volume Resistivity Ω·cm ≥		$1.0*10^{15}$	$1.0*10^{15}$	IEC 60093
Dielectric Strength , kV/mm ≥		25	25	IEC 60243

Remarks:
1. The physical performance data listed in the above table are for reference only.
2. Curing conditions: two-component platinum,120℃*10 minutes, addition amount. component A (0.3%-0.5%) and component B (0.4%-0.6%).
3. Due to differences in curing conditions and testing methods, we cannot guarantee same test results obtained by both parties. We recommend that users use the test data obtained under their own testing conditions as a reference for performance; the above performance data and applicable recommendations are only a reference for the performance of the company's products, and are not a guarantee of the effectiveness or universality of the company's products in any specific applications.

Application of
New Energy Vehicle Cables

Characteristics:

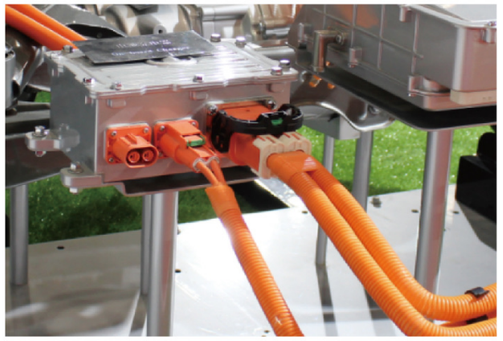
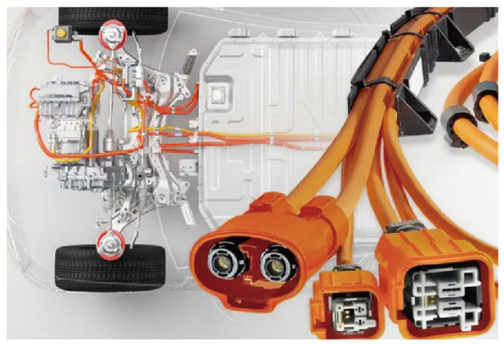
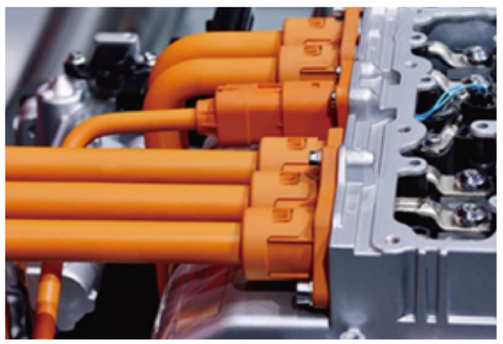
Excellent physical and electrical performance
Good extrusion and processing performance, smooth extrusion surface, and moderate plasticity
Passed ROHS and SVHC testing, etc.

Main Applications:

Applied to new energy vehicle cables, extruded wire insulation layers, etc.

Packaging, Transportation And Storage:

Packaging : 20kg/box
Transportation: Non-dangerous goods, and during transportation
Storage: It should be protected from rain and direct sunlight, and kept away from sources of fire and heat
Shelf Life: 9 months.

Technical Parameters
Of Products

Properties		Product Data				Test Method
		NE-9271	NE-9671	NE-9272	NE-9672	
Appearance		Transparent	Transparent	Light yellow	Light yellow	Visual Inspection
Physical Performance After Curing	Hardness, Shore A	65-75	65-75	65-75	65-75	ASTM D2240
	Tensile Strength, MPa ≥	9.5	9.0	9.5	9.0	ASTM D412
	Elongation at Break, % ≥	550	500	550	500	
	Tear Strength, Die C, kN/m ≥	40	40	40	40	ASTM D624
	Tear Strength, Trouser type, kN/m ≥	15	15	15	15	
Hot Air Aging Test at 200℃*10 Days	Tensile Strength, MPa ≥	/	/	7.5	7.0	ASTM D412
	Elongation at Break, % ≥	/	/	200	200	
Volume Resistivity, Ω·cm ≥		$1.0*10^{15}$	$1.0*10^{15}$	$1.0*10^{15}$	$1.0*10^{15}$	IEC 60093
Dielectric Strength , kV/mm ≥		24	22	24	22	IEC 60243

Remarks:
1. The physical performance data listed in the above table are for reference only.
2. Curing conditions: two-component platinum, 120℃*10 minutes, addition amount: component A (0.4%-0.6%) and component B (1.1%-1.2%).
3. Due to differences in curing conditions and testing methods, we cannot guarantee same test results obtained by both parties. We recommend that users use the test data obtained under their own testing conditions as a reference for performance; the above performance data and applicable recommendations are only a reference for the performance of the company's products, and are not a guarantee of the effectiveness or universality of the company's products in any specific applications.

Application of
Flame-retardant Wires and Cables

Characteristics:

Excellent physical and electrical performance, good flame-rtardant and self-extinguishing properties, with 3mm test pieces reaching FV-0 level
Good extrusion and processing performance, smooth extrusion surface, and moderate plasticity
Passed ROHS and SVHC testing, etc.

Main Applications:

Applied to wires and cables with flame-retardant requirements.

Packaging, Transportation And Storage:

Packaging : 20kg/box
Transportation: Non-dangerous goods, and during transportation
Storage: It should be protected from rain and direct sunlight, and kept away from sources of fire and heat
Shelf Life: 9 months
Warning: This product should avoid contacting with organic compounds containing N, P and S, and organotin catalysts. During storage and use, moisture invasion should be avoided
This product cannot be added with various special vulcanizing agents or addtives contacting hydrogen as anti-yellowing agent, otherwise the products will have self-vulcanizing phenomena such as hardening, blending failure, pitting, solidification, etc.

Technical Parameters
Of Products

Properties		Product Data		Test Method
		NE-Z270		
Appearance		White		Visual Inspection
Density, g/cm³		1.45 ~ 1.51		ASTM D792
Vulcanizing Agent		DBPH	DCBP	/
Physical Performance After Curing	Hardness, Shore A	70±3	68-73	ASTM D2240
	Tensile Strength, MPa ≥	5.5	5.0	ASTM D412
	Elongation at Break, % ≥	200	180	
	Tension Set, % ≤	10	3	
	Tear Strength Die C, kN/m ≥	15	14	ASTM D624
Physical Performance After Post-curing	Hardness, Shore A	/	70-74	ASTM D2240
	Tensile Strength, MPa ≥	/	5.0	ASTM D412
	Elongation at Break, % ≥	/	160	
	Tear Strength Die C, kN/m ≥	/	12	ASTM D624
Flame Retardant Grade, 3mm		FV-0		IEC 60695-11-10
Volume Resistivity Ω·cm ≥		1.0×10^{14}		IEC 60093
Dielectric Strength , kV/mm ≥		22	22	IEC 60243

Remarks:
1. The physical performance data listed in the above table are for reference only.
2. Curing conditions: DBPH liquid, 175℃*5 minutes, secondary vulcanization: 200℃*4h, with an addition amount of 1.0%. DCBP: primary vulcanization 120℃*5 minutes, secondary vulcanization: 200℃*4h, with an addition amount of 1.2%-1.4%. DBPH content: ≥92%, DCBP content: 45%-50%.
3. Due to differences in curing conditions and testing methods, we cannot guarantee same test results obtained by both parties. We recommend that users use the test data obtained under their own testing conditions as a reference for performance; the above performance data and applicable recommendations are only a reference for the performance of the company's products, and are not a guarantee of the effectiveness or universality of the company's products in any specific applications.

Application for High-temperature Resistance, Flame Retardance and Fire Prevention

Characteristics:

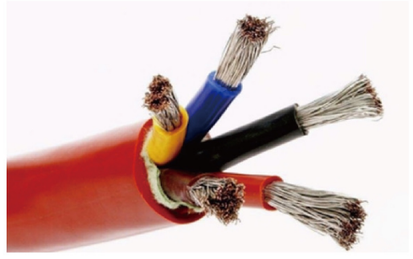
Excellent physical, high temperature resistant and fire retardant performance
Good extrusion and processing performance, smooth extrusion surface, and moderate plasticity
Passed ROHS and SVHC testing, etc.

Main Applications:

Applied to fire-resistant power, fire-resistant wires, control optical cables, fire-resistant instrument cables, fire-resistant signal and data cables, etc.

Packaging, Transportation And Storage:

Packaging : 20kg/box
Transportation: Non-dangerous goods, and during transportation
Storage: It should be protected from rain and direct sunlight, and kept away from sources of fire and heat
Shelf Life: 9 months
Warning: This product should avoid contacting with organic compounds containing N, P and S, and organotin catalysts. During storage and use, moisture invasion should be avoided
This product cannot be added with various special vulcanizing agents or addtives contacting hydrogen as anti-yellowing agent, otherwise the products will have self-vulcanizing phenomena such as hardening, blending failure, pitting, solidification, etc.



Technical Parameters Of Products

Properties		Product Data		Test Method
		NE-Z662	NE-Z663	
Appearance		Transparent	Transparent	Visual Inspection
Density, g/cm³		1.17-1.23		ASTM D792
Vulcanizing Agent		DCBP	Platinum	/
Physical Performance After Curing	Hardness, Shore A	63-67	66±5	ASTM D2240
	Tensile Strength, MPa ≥	9.0	9.0	ASTM D412
	Elongation at Break, % ≥	450	400	
	Tear Strength Die C, kN/m≥	25	30	ASTM D624
Physical Performance After Post-curing	Hardness, Shore A	65±3	73±3	ASTM D2240
	Tensile Strength, MPa ≥	8.5	8.5	ASTM D412
	Elongation at Break, % ≥	400	350	
	Tear Strength Die C, kN/m≥	22	25	ASTM D624
200℃*10 Day Aging Performance, Heat-resistant Agent 1.5%	Tensile Strength, MPa ≥	7.0	8.0	ASTM D412
	Elongation at Break, % ≥	200	200	
Flame Retardant Performance	Oxygen Index, %, ≥	28		ASTM D2863
	Flame Retardant Grade, 3mm	FV-1		IEC 60695-11-10
Volume Resistivity Ω·cm ≥		1.0×10^{15}		IEC 60093
Dielectric Strength , kV/mm ≥		22		IEC 60243

Remarks:
1. The physical performance data listed in the above table are for reference only.
2. Curing conditions: DCBP, primary vulcanization 120℃*5minutes, secondary vulcanization 200℃*4h, with an addition amount of 1.3%-1.4%; two-component platinum, primary vulcanization 120℃*5 minutes, secondary vulcanization 200℃*4h, addition amount: component A (0.4%-0.6%) and component B (0.8%-1.0%). DCBP content:45%-50%.
3. Due to differences in curing conditions and testing methods, we cannot guarantee same test results obtained by both parties. We recommend that users use the test data obtained under their own testing conditions as a reference for performance; the above performance data and applicable recommendations are only a reference for the performance of the company's products, and are not a guarantee of the effectiveness or universality of the company's products in any specific applications.

Application of
Ceramic Wires And Cables

Characteristics:

Excellent physical performance, good flame retardant and high temperature resistance. Under high temperature conditions of fire, it does not melt and drip, and can form a hard ceramic layer structure after burning
Good extrusion and processing performance, smooth extrusion surface, and moderate plasticity
Passed ROHS and SVHC testing, etc.

Main Applications:

Applied to fire-resistant power, control cables, fire-resistant fiber optic cables, automotive wires, house wires, as well as harsh environments such as coal mine.

Packaging, Transportation And Storage:

Packaging : 20kg/box
Transportation: Non-dangerous goods, and during transportation
Storage: It should be protected from rain and direct sunlight, and kept away from sources of fire and heat
Shelf Life: 9 months
Warning: This product should avoid contacting with organic compounds containing N, P and S, and organotin catalysts. During storage and use, moisture invasion should be avoided
This product cannot be added with various special vulcanizing agents or addtives contacting hydrogen as anti-yellowing agent, otherwise the products will have self-vulcanizing phenomena such as hardening, blending failure, pitting, solidification, etc.

Technical Parameters
Of Products

Properties		Product Data		Test Method
		NE-C60	NE-C70	
Appearance		White		Visual Inspection
Density，g/cm³		1.30-1.40	1.35-1.45	ASTM D792
Physical Performance with curing agent DBPH	Hardness, Shore A	63±3	70±3	ASTM D2240
	Tensile Strength，MPa ≥	6.5	6.0	ASTM D412
	Elongation at Break，% ≥	300	300	
	Tear Strength Die C，kN/m≥	15	15	ASTM D624
Physical Performance with curing agent DCBP	Hardness, Shore A	60-65	68-73	ASTM D2240
	Tensile Strength，MPa ≥	6.5	6.0	ASTM D412
	Elongation at Break，% ≥	280	280	
	Tear Strength Die C，kN/m≥	14	12	ASTM D624
Volume Resistivity Ω·cm ≥		1.0×10^{14}		IEC 60093
Flame Retardant Grade，3mm		FV-1		IEC 60695-11-10
Dielectric Strength , kV/mm ≥		22		IEC 60243

Remarks:
1. The physical performance data listed in the above table are for reference only.
2. Curing conditions: DBPH liquid, 175℃*5 minutes, with an addition amount of 1.0%; DCBP, 120℃*5 minutes, with an addition amount of 1.2%-1.4%. DBPH content：≥92%，DCBP content:45%-50%.
3. Due to differences in curing conditions and testing methods, we cannot guarantee same test results obtained by both parties. We recommend that users use the test data obtained under their own testing conditions as a reference for performance; the above performance data and applicable recommendations are only a reference for the performance of the company's products, and are not a guarantee of the effectiveness or universality of the company's products in any specific applications.

Application of
Electrical Insulating Rubber

Characteristics:

Excellent physical and electrical performance, good electrical insulation, corrosion resistance, hydrophobicity, and flame retardance. The resistance to leakage and tracking has reached class 1A4.5

Type 1 is applicable to compression molding, and Type 2 is applicable to injection molding with good extrusion and processing performance. The extrusion surface is smooth and the plasticity is moderate

Passed ROHS and SVHC testing, etc.

Main Applications:

Applied to various specifications of composite insulators, lightning arresters, and high-voltage electrical components such as electrified railway and urban light rail lines.

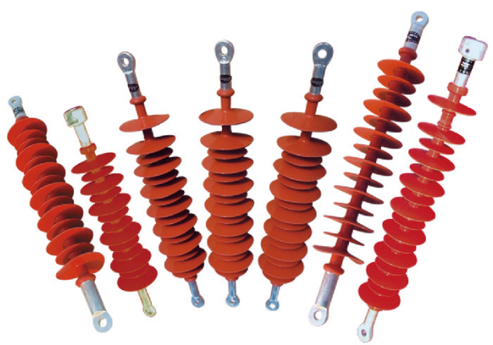
Packaging, Transportation And Storage:

Packaging : 20kg/box

Transportation: Non-dangerous goods, and during transportation

Storage: It should be protected from rain and direct sunlight, and kept away from sources of fire and heat

Shelf Life: 9 months.



Technical Parameters
Of Products

Properties		Product Data								Test Method
		Standard Electrical Insulating Rubber		General Electrical Insulating Rubber		Ordinary Electrical Insulating Rubber				
		NE-T-1 NE-T-1U	NE-T-2 NE-T-2U	NE-C-1 NE-C-1U	NE-C-2 NE-C-2U	NE-D-1 NE-D-1U	NE-D-2 NE-D-2U	NE-E-1 NE-E-1U	NE-E-2 NE-E-2U	
Appearance		The product has an inherent color and no obvious extraneous matter								Visual Inspection
Density, g/cm³		1.48-1.56								ASTM D792
Physical Performance with curing agent DBPH	Hardness, Shore A	62±4				60±4				ASTM D2240
	Tensile Strength, MPa ≥	4.5	4.5	4.0						ASTM D412
	Elongation at Break, % ≥	260	280	260	280	220	240	220	240	
	Tension Set, % ≤	2.0								
	Tear Strength Die C,kN/m≥	13.0						12.0		ASTM D624
Volume Resistivity Ω·cm ≥		7×10^{14}		5×10^{14}		3×10^{14}		1×10^{14}		IEC 60093
Dielectric Strength , kV/mm ≥		22		20		18				IEC 60243
Dielectric Loss , tg ≤		3×10^{-2}		6×10^{-2}		7×10^{-2}				IEC 60250
Dielectric Constant		3 ~ 4								
Tracking and erosion resistance	Class 1A4.5	Pass								IEC 60587
	Maximum erosion depth, mm ≤	2.5								
Flame Retardant Grade, 3mm		FV-0								IEC 60695 -11-10

Remarks:

1. The physical performance data listed in the above table are for reference only.
2. Curing conditions: DBPH liquid, 175℃*5 minutes, with an addition amount of 0.4%. DBPH content: ≥92%.
3. Due to differences in curing conditions and testing methods, we cannot guarantee same test results obtained by both parties. We recommend that users use the test data obtained under their own testing conditions as a reference for performance; the above performance data and applicable recommendations are only a reference for the performance of the company's products, and are not a guarantee of the effectiveness or universality of the company's products in any specific applications.