NFS9400 High Resilience Series Fluorosilicone Rubber

〖Introduction〗

This product is an uniform mixture made on the basis of Fluoro-silicone elastomer by adding some kinds of fillers, additives etc.

High strength and good resilience.

Excellent oil, solvent, high and low temperature resistance

〖Properties〗

Items	Index						
	Grade	NFS9430	NFS9440	NFS9450	NFS9460	NFS9470	NFS9480
	Appearance / Test method	Milk white, translucent			Pale yellow		
Specific Gravity/ g/cm^3	ASTM D792	1.38	1.41	1.42	1.43	1.45	1.47
Hardness/shoreA	ASTM D2240	28	40	48	60	70	80
Tensile Strength /MPa	ASTM D412	10.2	9.5	9.5	10.2	9.9	8.1
Elongation At Break /%	ASTM D412	485	494	363	296	241	159
Tear Strength /KN/m	ASTM D624-B	18	26	19	22	21	16
Compression Set （177℃*22h ）	ASTM D395	9	8	8	7	8	9
Resilience/%	ASTM D1054	41	35	46	40	37	39
*Heat Resistance 225℃×72h	Hardness change/shore A	+2	+2	+3	+2	+2	+3
	Tensile strength change, %	-18	-17	-21	-25	-20	-19
	Elongation at break change，%	-19	-16	-18	-21	-16	-15
Fuel C Volume Change /% 23℃/72h	ASTM D471	+22	+19	+18	+19	+19	+19

Curing Condition	0.7 DBPH, Press cure: 170℃×15min，Post cure: 200℃×4h

*The values only represent the typical features of the product and are not intended for use in specifications.
*Heat resistance additives need to be added to meet the requirements of heat resistance.

〖Processing Advice〗

It is recommended to use 0.6 ~ 1 phr. 2,5-Dimethyl-2,5-di(tert-butylperoxy)hexane(DBPH).

The customer shall decide the optimum curing temperature and time according to the product dimensions and curing methods.

〖Package〗

This product is non-dangerous goods. Packed in plastic bags placed into reinforced cardboard boxes. Each box contains 2 bags with 10kg per bag.

〖Storage〗

This product has cold-flow characteristics, should avoid bag breakage in the process of transportation and usage.

Must be stored in a cool dry environment, and shelf life is 1 year.