



NFS9400(translucent) 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

Typical properties:

Items	Index					
	Grade	NFS9430	NFS9440	NFS9450	NFS9460	NFS9470
	Appearance	Milk white, translucent				
Test method						
Specific Gravity/ g/cm ³	ASTM D792	1.38	1.41	1.42	1.43	1.45
Hardness/shoreA	ASTM D2240	29	40	50	61	70
Tensile Strength /MPa	ASTM D412	10.2	9.5	9.5	9.3	9.6
Elongation At Break /%	ASTM D412	485	494	363	311	246
Tear Strength /KN/m	ASTM D624-B	18	26	19	20	20
Compression Set (177°C*22h)	ASTM D395	9	8	8	9	9
Resilience/%	ASTM D1054	42	41	40	39	38
*Heat Resistance 225°C×72h	Hardness change/shore A	+4	+4	+4	+3	+3
	Tensile strength change, %	-28	-26	-25	-27	-27
	Elongation at break change, %	-26	-25	-23	-23	-22
Fuel C Volume Change /% 23°C/72h	ASTM D471	+22	+21	+21	+20	+20
Curing Condition	0.7 DBPH, Press cure: 170°C×15min, Post cure: 200°C×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.