Technical Data Sheet

Fluorosilicone Rubber LR-F5500

Description:
Chemical Name: Adhesive Purpose Series Fluorosilicone Rubber
Synonyms: Fluorosilicone gum
Equivalents:

Typical Technical Properties:

Test Item	Standard				
	Test Method	LR-5540	LR-5550	LR-5560	LR-5561
Appearance	Visual	Pale yellow			
Specific Gravity (g/cm3)	ASTM D792	1.4	1.41	1.42	1.44
Hardness / shoreA	ASTM D2240	41	50	60	61
Tensile Strength (MPa)	ASTM D412	9.5	9.8	10.2	9.8
Elongation At Break (%)	ASTM D412	370	282	263	310
Tear Strength (KN/m)	ASTM D624-B	17	17	18	17
*Heat Resistance 225°C X 72h	Hardness change / shore A	4	2	+2	2
	Tensile strength change %	-24	-25	-23	-26
	Elongation at break change %	-19	-10	-14	-12
Fuel C Volume change/% 23°C/72h	ASTM D471	23	23	21	21
Peel Strength/N/mm, with Methyl vinyl silicone rubber		2	2	2.2	2
Curing Condition	0.8 DCBP, Press cure: 120°C x 15min, Post cure: 200°C x 4h				

The above values are not intended for use in preparing specifications.
Heat resistance additives need to be added to meet the requirements of heat resistance.

Applications:
Excellent calenderability, oil resistance, solvent resistance which can bond with silicone rubber. It can be used in automotive turbocharger tubes or other compound rubber tubes.

Processing Advice：
It is recommended to use 0.8 ~ 1 phr. peroxide (2,4-dichlorobenzoy)Vulcanizing agent (DCBP).
The customer shall decide the optimum curing temperature and time according to the product dimensions

and curing methods.

Package &Storage:

Packed in plastic bags placed into reinforced cardboard boxes. Each box contains 2 bags with 10kg per bag. Keep in cool, dry and ventilated place. Keep away from sunlight and fire sources. This product has cold-flow characteristics, should avoid bag breakage in the process of transportation and usage, shelf life is 12 months from the date of production. It is shipped as non-hazardous substance.

Storage beyond the shelf life does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.