

Technical Data Sheet



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Fluorosilicone Rubber LR-F5200

Description:

Chemical Name: High Tear Strength Series Fluorosilicone Rubber

Synonyms: Fluorosilicone gum

Equivalents:

Typical Technical Properties:

Test Item	Standard			
	Test Method	LR-5240	LR-5250	LR-5260
Appearance	Visual	Milk white, translucent		
Specific Gravity (g/cm ³)	ASTM D792	1.42	1.44	1.45
Hardness / shoreA	ASTM D2240	40	50	60
Tensile Strength (MPa)	ASTM D412	10.1	10.2	10.3
Elongation At Break (%)	ASTM D412	490	457	440
Tear Strength (KN/m)	ASTM D624-B	11	11	12
*Heat Resistance 225°C X 72h	Hardness change / shore A	3	3	2
	Tensile strength change %	-19	-16	-17
	Elongation at break change %	-14	-17	-18
Fuel C Volume change/% 23°C/72h	ASTM D471	23	21	20
Curing Condition	0.7 DBPH, Press cure: 170°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:

It has excellent oil, solvent, high and low temperature resistance; high strength and high tear strength. It is an uniform mixture made on the basis of Fluoro-silicone elastomer by adding some kinds of fillers, additives etc.

Processing Advice:

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

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The offered information of this docs is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are fully satisfactory for end use. Suggestions of use shall not be taken as inducements to infringe any patent. Please confirm with us prior to any problems.

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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.