

Technical Data Sheet



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Fluorosilicone Rubber LR-F5700

Description:

Chemical Name: Extruded Fluorosilicone Rubber

Synonyms: Fluorosilicone gum

Equivalents:

Typical Technical Properties:

Test Item	Standard		
	Test Method	LR-5760	LR-5770
Appearance	Visual	Translucent, smooth surface, no impurities	
Specific Gravity (g/cm ³)	ASTM D792	1.44	1.48
Hardness / shoreA	ASTM D2240	60	70
Tensile Strength (MPa)	ASTM D412	10.5	10.1
Elongation At Break (%)	ASTM D412	207	201
Tear Strength (KN/m)	ASTM D624-B	18	17
*Heat Resistance 225°C X 72h	Hardness change / shore A	4	5
	Tensile strength change %	-27	-24
	Elongation at break change %	-26	-23
Fuel C Volume change/% 23°C X 72h	ASTM D471	21	20
IRM903 Volume Change/% 150°C X 72h	ASTM D471	4.5	4
Nitric acid/sulfuric acid/hydrochloric acid mixed solution PH < 1 100°C X 120h			
Acid Resistance Volume Change/%	ASTM D471	0.3	0.3
3% sodium hydroxide aqueous solution 60°C X 72h			
Alkali Resistance Volume Change/%	ASTM D471	0.4	0.3
Curing Condition	0.8 DCPH, Press cure: 120°C x 15min, Post cure: 200°C x 4h		

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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 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 resistance, acid and alkali resistance.
This product is suitable for DCPH-vulcanized extrusion molding.

Processing Advice:

It is recommended to use 0.8 ~ 1 phr. 2,4-Dichlorobenzoyl peroxide (DCPH).
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.