

Technical Data Sheet



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Fluorosilicone Rubber LR-F5502

Description:

Chemical Name: Adhesive Purpose Series Fluorosilicone Rubber

Synonyms: Fluorosilicone gum

Equivalents:

Typical Technical Properties:

Test Item	Standard		
	Test Method	LR-F5552	LR-F5562
Appearance	Visual	Pale yellow	
Specific Gravity (g/cm3)	ASTM D792	1.42	1.43
Hardness / shoreA	ASTM D2240	52	61
Tensile Strength (MPa)	ASTM D412	10.2	9.4
Elongation At Break (%)	ASTM D412	330	280
Tear Strength (KN/m)	ASTM D624-B	20	19
Compression Set (177°C*22h)	ASTM D395	7	8
Resilience %	ASTM D1054	35	34
*Heat Resistance 200°C X 72h	Hardness change / shore A	2	2
	Tensile strength change %	-24	-23
	Elongation at break change %	-21	-20
Fuel C Volume change/% 23°C/72h	ASTM D471	22	21
Curing Condition	0.5 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.

Features:

This series features exceptional resistance to oils and solvents, characterized by low compression set, superior thermal stability, and high resilience.

Applications:

Nanjing Silfluo New Material Co., Ltd.

1 / 2

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The offered information of this doc 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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Optimized for both injection and compression molding, it achieves robust adhesion to metal, aramid, and various substrates when used with a specific primer.

Processing Advice:

It is recommended to use 0.4 ~ 0.7 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 &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.