

Mitsui MILEX[®],ç RS-2210MB Silicone Rubber Modified Phenolic Resin

Category : Polymer , Thermoset , Phenolic , Phenolic/Rubber; Molded

Material Notes:

The MILEX[®],ç Family of products is widely featured in brake systems of automobiles made by automakers through Mitsui Chemicals'. The phenolic material is primarily used as binders in brake pad and clutch facing disc friction materials. The advantage of incorporating the MILEX material into a brake design is that the material provides a non-abrasive, vibratory free surface finish, which is very important in the performance of the brake system. Additionally, its superior performance at elevated temperatures and excellent moldability aids in brake noise reduction. Applications: Automotive friction materials (brake pads, clutch facing discs, etc) Epoxy resin hardener for electronic materials Additive to improve heat resistance of thermoplastics Adhesives, especially with elastomers, to bond to metal Information provided by Mitsui.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Mitsui-MILEX-RS-2210MB-Silicone-Rubber-Modified-Phenolic-Resin.php

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	95.0 - 102 Â°C	203 - 216 Â°F	Softening point

Processing Properties	Metric	English	Comments
Processing Temperature	150 Â°C	302 Â°F	Press Cure, 10 minutes
	180 Â°C	356 Â°F	Post cure, 5 hours
Cure Time	0.833 - 1.83 min	0.0139 - 0.0306 hour	Gelation time

Descriptive Properties	Value	Comments
Cracking Resistance	3	5=Excellent
Curing Rate	5	1=Slow, 5=Fast
Flow	20-40 m/m	
Hardness	3	1=Hard, 5=Soft
Heat Resistance	3	1-5 (5-Excellent)
Kind of Rubber	Silicone	
Rubber Content	10 phr	

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