

Mitsui MILEX™ RX-2325C Low Silicone Rubber Modified Phenolic Resin (discontinued **)

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

Material Notes:

The MILEX™ Family of products is widely featured in brake systems of automobiles made by the top automakers through Mitsui Chemicals' affiliation with leading brake manufacturers. 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. The RX series features one-grade level. The RX line is the company's most flexible friction technology developed to date. RX possesses the same characteristics and properties as XL, which are stable friction and abrasion, heat and chemical resistance and anti-noise and vibratory qualities. 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-RX-2325C-Low-Silicone-Rubber-Modified-Phenolic-Resin-nbspdiscontinued-.php

| Thermal Properties | Metric | English | Comments |
|----------------------------------|---------------|--------------|-----------------|
| Maximum Service Temperature, Air | 92.0 - 102 °C | 198 - 216 °F | Softening point |

| Processing Properties | Metric | English | Comments |
|------------------------|-----------------|----------------------|------------------------|
| Processing Temperature | 160 °C | 320 °F | Press Cure, 10 minutes |
| | 180 °C | 356 °F | Post cure, 5 hours |
| Cure Time | 1.00 - 2.67 min | 0.0167 - 0.0444 hour | Gelation time |

| Descriptive Properties | Value | Comments |
|------------------------|-----------|-------------------|
| Cracking Resistance | 4 | 5=Excellent |
| Curing Rate | 2 | 1=Slow, 5=Fast |
| Flow | 30-60 m/m | |
| Hardness | 3-4 | 1=Hard, 5=Soft |
| Heat Resistance | 4-5 | 1-5 (5-Excellent) |

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