

Momentive Performance Materials Silplus, 50 MP Heat Cured Rubber

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE) , Silicone , Silicone Rubber

Material Notes:

Heat cured rubber is a high consistency product that can be molded, extruded or calendered using conventional rubber processing equipment to meet a wide range of cost, durability and performance standards. Silplus 50 MP is a peroxide curable, multipurpose silicone elastomer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Momentive-Performance-Materials-Silplus-50-MP-Heat-Cured-Rubber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.15 g/cc	1.15 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50	50	
Tensile Strength	11.0 MPa	1600 psi	
Elongation at Break	550 %	550 %	
Tear Strength	25.0 kN/m	143 pli	Die B

Optical Properties	Metric	English	Comments
Transmission, Visible	20 %	20 %	translucent; thickness unknown

Compliance Properties	Metric	English	Comments
FDA	Yes	Yes	FDA Indirect food contact - Rubber articles intended for repeated use - FDA Reg 21CFR177.2600
USP Class VI	Yes	Yes	USP Class VI methods: Intramuscular implantation, intracutaneous injection, & systematic injection

Descriptive Properties	Value	Comments
Appearance	Translucent	
BfR	product is compositionally compliant	Recommendation XV Silicones; post cured (4h/200°C)
ISO10993	yes	7 ISO 10993 tests applicable to "wet" chemicals

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