

Momentive Performance Materials Silplus 80 EX Heat Cured Rubber - Extrusion

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 80 EX is a peroxide curable, extrusion grade, silicone elastomer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Momentive-Performance-Materials-Silplus-80-EX-Heat-Cured-Rubber-Extrusion.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.24 g/cc	1.24 g/cc	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	
Tensile Strength	10.0 MPa	1450 psi	
Elongation at Break	440 %	440 %	
Tear Strength	28.0 kN/m	160 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
Water Regulations	compliant	WRAS

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