

Arlon 32090R028 Silicone Rubber Laminate

Category : Polymer , Thermoset , Silicone , Silicone Rubber

Material Notes:

The interleave is 3 mil polyethylene, side 1 is uncured silicone rubber and the carrier is PET.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arlon-32090R028-Silicone-Rubber-Laminate.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.38 g/cc	1.38 g/cc	Silicone Property; Arlon SQA-TMS-024
Thickness	127 microns	5.00 mil	carrier; Arlon SQA-TMS-003
	711 microns	28.0 mil	overall; Arlon SQA-TMS-003

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	45	45	Silicone Property; ASTM D2240
Tensile Strength, Ultimate	5.69 MPa	825 psi	Silicone Property; ASTM D412
Elongation at Break	725 %	725 %	Silicone Property; ASTM D412
Tear Strength	28.6 kN/m	163 pli	Silicone Property; ASTM D624

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	232 °C	450 °F	
Minimum Service Temperature, Air	-56.7 °C	-70.0 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	31.3 kV/mm	794 kV/in	ASTM D149

Processing Properties	Metric	English	Comments
Cure Time	15.0 min @Pressure 0.345 MPa, Temperature 121 °C	0.250 hour @Pressure 50.0 psi, Temperature 250 °F	
Shelf Life	6.00 Month @Temperature 23.9 °C	6.00 Month @Temperature 75.0 °F	

Descriptive Properties	Value	Comments
Color	Red	

Descriptive Properties	Value	Comments
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