

Arlon Thermabond®-II 99760N008 0.008" (0.203 mm) Unsupported/Uncured Silicone Rubber with Fiberglass Substrate

Category : Polymer , Thermoset , Silicone , Silicone Rubber , Silicone, Molded, Glass Fiber Filled

Material Notes:

Design/Construction:Side 1: Unsupported/Uncured RubberAppearance: White/gray gumAppearance: White/grey gumThis data Represents typical values for the production material. The data should not be used to write, or in place of, material specifications.Information provided by Arlon, Silicone Technologies Division

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arlon-Thermabond-II-99760N008-0008-0203-mm-UnsupportedUncured-Silicone-Rubber-with-Fiberglass-Substrate.php

Physical Properties	Metric	English	Comments
Thickness	76.2 microns	3.00 mil	PTFE Coated Fiberglass, Substrate
	203 microns	8.00 mil	Overall
	203 microns	8.00 mil	FEP, Interleave

Mechanical Properties	Metric	English	Comments
Shear Modulus	0.552 - 0.621 GPa	80.0 - 90.0 ksi	
Shear Strength	>= 1.38 MPa	>= 200 psi	Lap Shear Strength

Thermal Properties	Metric	English	Comments
Thermal Conductivity	>= 0.450 W/m-K	>= 3.12 BTU-in/hr-ft ² -°F	Compound Property
Maximum Service Temperature, Air	200 °C	392 °F	
Minimum Service Temperature, Air	-100 °C	-148 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	>= 15.7 kV/mm	>= 400 kV/in	

Processing Properties	Metric	English	Comments
Cure Time	15.0 min @Temperature 121 °C	0.250 hour @Temperature 250 °F	Recommended Cure Cycle
Shelf Life	6.00 Month @Temperature 18.3 - 23.9 °C	6.00 Month @Temperature 65.0 - 75.0 °F	From date of manufacture

Descriptive Properties	Value	Comments
Color	Natural	
Total Product Weight (oz/yd2)	12.4 - 14.4	

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