

Saint-Gobain T-Bond II[®] Semi-Rigid Polyurethane Foam Structural Glazing and Cladding Spacer System

Category : Polymer , Thermoset , Polyurethane, TS , Thermoset Polyurethane Foam, Unreinforced

Material Notes:

Description: Semi-Rigid Polyurethane Foam Substrate used as a Structural Glazing and Cladding Spacer System for In-Shop Fabrication.

Semi-Rigid Polyurethane: An open cell structure allows air and moisture to reach the silicone, permitting optimum curing. Semi-rigid polyurethane foam substrate is chemically compatible with all silicones tested. Low thermal conductivity foam substrate reduces heat transfer and inhibits condensation on windows, doors and metal systems. Excellent resistance to weather, fungi, and oxidation. For Two- and Four-Sided Structural Glazing Systems: Good spacer for two-sided field and four-sided shop structural silicone glazing systems. Speeds shop fabrication of unitized panels. Easy to Handle. Suitable for die-cutting. Pressure Sensitive Adhesive: Adhesive on one or two sides for ease of spacer placement. For clear or lightly tinted glass, V-2200 with adhesive on one side only should be used to avoid unsightly air pockets. Applications: Structural silicone glazing, thermal break on storm windows and doors, curtain wall, die cut for vibration dampening. Specification Notes: No migratory staining of acrylic enamel after 200 hrs of UV at 140[°]F (ASTM D-925). All data based on a 0.25 inch test sample. (Available in multiple thicknesses.) Information provided by Saint Gobain Performance Products.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Saint-Gobain-T-Bond-II-Semi-Rigid-Polyurethane-Foam-Structural-Glazing-and-Cladding-Spacer-System.php

Physical Properties	Metric	English	Comments
Density	0.360 g/cc	0.0130 lb/in ³	ASTM D1667

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	30	30	ASTM D2240
Tensile Strength, Yield	0.896 MPa	130 psi	ASTM D-412
Elongation at Break	105 %	105 %	ASTM D-412
Compressive Modulus	0.000110 GPa	0.0160 ksi	Force to Compress, Value for 10% compression.; ASTM D1667

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.0793 W/m-K	0.550 BTU-in/hr-ft ² - [°] F	ASTM C-518
Maximum Service Temperature, Air	82.2 [°] C	180 [°] F	
Minimum Service Temperature, Air	-40.0 [°] C	-40.0 [°] F	

Descriptive Properties	Value	Comments
Color	Black	

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