

3M 540 Polyurethane Sealant

Category : Polymer , Thermoset , Polyurethane, TS , Thermoset Polyurethane, Adhesive

Material Notes:

3M™ 500-Series Polyurethane Construction Sealant, Polyurethane Sealant and Polyurethane Adhesive Sealant products are one component, moisture curing products which form permanent elastic bonds. They bond to a wide variety of materials including plastics, metals, fiberglass, and wood. They are formulated to have a wide variety of Shore A hardness, open times, and performance parameters to meet many application needs. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-540-Polyurethane-Sealant.php

Physical Properties	Metric	English	Comments
Density	1.17 g/cc	0.0423 lb/in ³	
Volatile Organic Compounds (VOC) Content	53.7 g/l	53.7 g/l	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	40	40	ASTM C661
Tensile Strength at Break	2.10 MPa	305 psi	ASTM D412
Elongation at Break	>= 600 %	>= 600 %	ASTM D412
100% Modulus	0.000900 GPa	0.131 ksi	ASTM D412

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	90.0 °C	194 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	

Processing Properties	Metric	English	Comments
Cure Time	60.0 - 90.0 min	1.00 - 1.50 hour	Tack-Free, 50% RH
	1440 min	24.0 hour	Rate of Cure, 50% RH

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