

3M 740 Hybrid Sealant

Category : Polymer , Thermoset

Material Notes:

3M™ 700-Series Hybrid Sealant and Hybrid Adhesive Sealant products are one component, moisture curing products which form permanent elastic bonds. They are similar in function as a typical one component polyurethane sealant but are isocyanate-free. 3M Hybrid Sealants and Hybrid Adhesive Sealants bond to a wide variety of materials including plastics, metals, fiberglass, and wood. Differentiated from other high performance sealants as they are very low VOC, have better UV resistance, and have broad substrate adhesion for a wide range of productivity enhancement applications. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-740-Hybrid-Sealant.php

Physical Properties	Metric	English	Comments
Density	1.65 g/cc	0.0596 lb/in ³	
Volatile Organic Compounds (VOC) Content	22 g/l	22 g/l	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	30	30	ASTM C661
Tensile Strength at Break	1.00 MPa	145 psi	ASTM D412
Elongation at Break	>= 300 %	>= 300 %	ASTM D412
100% Modulus	>= 0.000500 GPa	>= 0.0725 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	40.0 - 60.0 min	0.667 - 1.00 hour	Tack-Free, 50% RH
Shelf Life	6.00 Month	6.00 Month	

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