

Dow SPECTRIM™ 50-S Reaction Moldable Polymer

Category : Polymer , Thermoset , Polyurethane, TS

Material Notes:

SPECTRIM™ 50-S reaction moldable polymer is a two-component polyurethane system that incorporates advanced internal mold release (IMR) technology developed by the Dow Chemical Company. Information provided by Dow

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-SPECTRIM-50-S-Reaction-Moldable-Polymer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	21.4 MPa	3100 psi	ASTM D412
Elongation at Break	190 %	190 %	ASTM D412
Flexural Modulus	0.345 GPa	50.0 ksi	ASTM D790
Tear Strength	109 kN/m	620 pli	ASTM D624
Heat Distortion	240 %	240 %	4" Heat sag - 250°F / 60 min (1/8" thickness); ASTM D3769

Processing Properties	Metric	English	Comments
Mold Temperature	62.8 - 73.9 °C	145 - 165 °F	
Injection Pressure	9.65 - 17.2 MPa	1400 - 2500 psi	
Gel Time	0.0200 min	0.0200 min	

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