

A. Schulman FORMION™ FI 397 Ionomer

Category : Polymer , Thermoplastic , Ionomer

Material Notes:

Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-FORMION-FI-397-Ionomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.02 g/cc	1.02 g/cc	ISO 1183/1
Linear Mold Shrinkage	0.0020 - 0.0060 cm/cm	0.0020 - 0.0060 in/in	ISO 294
	@Thickness 3.20 mm, Time 259000 sec	@Thickness 0.126 in, Time 72.0 hour	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	63	63	15 sec delay; ISO 868
Tensile Strength, Ultimate	28.0 MPa	4060 psi	at max load; ISO 527
Elongation at Break	95 %	95 %	ISO 527
Flexural Modulus	1.75 GPa	254 ksi	Tangent; ISO 178
Izod Impact, Notched (ISO)	42.0 kJ/m ²	20.0 ft-lb/in ²	ISO 180

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	82.0 °C	180 °F	ISO 75
	@Thickness 3.17 mm	@Thickness 0.125 in	

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