

A. Schulman FORMION™ FI 341 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-341-Ionomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.960 g/cc	0.960 g/cc	ISO 1183/1
Linear Mold Shrinkage	0.010 - 0.014 cm/cm	0.010 - 0.014 in/in	72 hr; ISO 294
	@Thickness 3.20 mm	@Thickness 0.126 in	
	0.012 - 0.016 cm/cm	0.012 - 0.016 in/in	aged 48 hrs at 121°C; ISO 294
	@Thickness 3.20 mm	@Thickness 0.126 in	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	55	55	15 sec delay; ISO 868
Tensile Strength, Ultimate	17.0 MPa	2470 psi	at max load; ISO 527
Elongation at Break	325 %	325 %	ISO 527
Flexural Modulus	0.490 GPa	71.1 ksi	Tangent; ISO 178
Izod Impact, Notched (ISO)	NB	NB	ISO 180

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	41.0 °C	106 °F	ISO 75
	@Thickness 3.20 mm	@Thickness 0.126 in	

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