

A. Schulman FORMION™ FI 243 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-243-Ionomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.15 g/cc	1.15 g/cc	ISO 1183/1
Linear Mold Shrinkage	0.0070 - 0.011 cm/cm	0.0070 - 0.011 in/in	aged 48 hrs at 121°C; ISO 294
	@Thickness 3.20 mm	@Thickness 0.126 in	
	0.0060 - 0.010 cm/cm	0.0060 - 0.010 in/in	ISO 294
	@Thickness 3.20 mm, Time 259000 sec	@Thickness 0.126 in, Time 72.0 hour	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	42.0 MPa	6090 psi	at max load; ISO 527
Elongation at Break	225 %	225 %	ISO 527
Flexural Modulus	2.44 GPa	354 ksi	Tangent; ISO 178
Izod Impact, Notched (ISO)	NB	NB	ISO 180
Izod Impact, Unnotched (ISO)	NB	NB	ISO 180

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	101 °C	214 °F	ISO 75
	@Thickness 3.17 mm	@Thickness 0.125 in	

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