

A. Schulman FORMION™ FI 241E Non-Reinforced, Extrusion Grade Ionomer Alloy

Category : Polymer , Thermoplastic , Ionomer

Material Notes:

Description Formion® FI 241E is a patented non-reinforced, extrusion grade Ionomer alloy. It has been formulated for high durability, low gloss, and low temperature ductility. Application Formion® FI 241E is targeted for exterior or interior appearance or packaging applications in film, blow molding, thermoforming or extrusion applications, which may require low tack, low gloss, and excellent colorability. Information provided by A. Schulman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_A-Schulman-FORMION-FI-241E-Non-Reinforced-Extrusion-Grade-Ionomer-Alloy.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.940 g/cc	0.940 g/cc	ISO 1183/1
Linear Mold Shrinkage	0.011 - 0.019 cm/cm	0.011 - 0.019 in/in	72 hr; ISO 294
	@Thickness 3.20 mm	@Thickness 0.126 in	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	45	45	15 sec delay; ISO 868
Tensile Strength, Ultimate	9.50 MPa	1380 psi	at max load; ISO 527
Elongation at Break	165 %	165 %	ISO 527
Flexural Modulus	0.109 GPa	15.8 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)	36.0 °C	96.8 °F	ISO 75
	@Thickness 3.20 mm	@Thickness 0.126 in	

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