FORMION® FI 200HFU

Ionomer

A. Schulman Inc.

Message:

Ionomer Nylon Alloy

General Information			
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.04	g/cm³	ASTM D792A
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	16	g/10 min	ASTM D1238
Molding Shrinkage - Flow (72 hr, 3.20 mm)	0.80 to 1.0	%	ASTM D955
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale, 22°C, 3.20 mm)	95		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Yield, 22°C, 3.20 mm, Injection Molded)	45.0	MPa	ASTM D638
Tensile Elongation [2] (Break, 21°C, 4.00 mm, Injection Molded)	250	%	ASTM D638
Flexural Modulus - Tangent [3] (22°C, 3.20 mm, Injection Molded, 50.0 mm Span)	1000	MPa	ASTM D790A
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (22°C, 3.20 mm)	No Break		ASTM D256A
Multi-Axial Instrumented Impact Energy [4] (3.20 mm, Injection Molded, Ductile Failure)	45.0	J	ISO 6603-2
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed, 3.20 mm, Injection Molded)	65.0	°C	ASTM D648A
NOTE			
1.	Type I, 50 mm/min		
2.	Type I, 50 mm/min		
3.	Method I (3 point load), Type I, 50 mm/min		
4.	2.2 m/sec		

Recommended distributors for this material

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