

Integra™ PEI1000HF

Polyether Imide

PolySource, LLC

Message:

High Flow Polyetherimide

General Information			
Features	High liquidity		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (337°C/6.6 kg)	18	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	0.50 - 0.70	%	ASTM D955
Water Absorption (Equilibrium)	0.25	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 3.18 mm)	110	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield, 3.18mm	7.0	%	ASTM D638
Fracture, 3.18mm	60	%	ASTM D638
Flexural Modulus (3.18 mm)	3520	MPa	ASTM D790
Flexural Strength (Yield, 3.18 mm)	165	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	32	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.35 mm)	199	°C	ASTM D648

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