

ColorFast® PEI1000

Polyether Imide

LTL Color Compounders, Inc.

Message:

Injection and extrusion grade polyetherimide, high temperature

General Information			
Features	High Heat Resistance		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	9.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	1.5 to 2.0	%	ASTM D955
Water Absorption (24 hr)	1.3	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	110	MPa	ASTM D638
Tensile Elongation ²			ASTM D638
Yield	7.0	%	
Break	60	%	
Flexural Modulus ³	3520	MPa	ASTM D790
Flexural Strength ⁴	165	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.35 mm)	201	°C	ASTM D648
NOTE			
1.	51 mm/min		
2.	51 mm/min		
3.	51 mm/min		
4.	51 mm/min		

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