

ColorFast® PSU1700

Polysulfone
LTL Color Compounders, Inc.

Message:
General purpose polysulfone with excellent clarity

General Information			
Features	General Purpose		
	High Clarity		
Uses	General Purpose		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (343°C/2.06 kg)	7.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.18 mm)	0.70	%	ASTM D955
Water Absorption (24 hr)	0.30	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	70.3	MPa	ASTM D638
Tensile Elongation ²			ASTM D638
Yield	10	%	
Break	50 to 100	%	
Flexural Modulus ³	2690	MPa	ASTM D790
Flexural Strength ⁴	103	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	174	°C	ASTM D648
NOTE			
1.	51 mm/min		
2.	51 mm/min		
3.	51 mm/min		
4.	51 mm/min		

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