

PrimaFlex® GP 1400

General Purpose Polystyrene

Plastic Solutions, Inc.

Message:

Description: GP 1400 is a high flow general purpose crystal polystyrene for both injection molding.

General Information			
Features	Crystalline		
	Food Contact Acceptable		
	General Purpose		
	High Flow		
Uses	Cups		
	General Purpose		
	Masterbatch		
	Medical/Healthcare Applications		
	Table Products		
	Thin-walled Parts		
Agency Ratings		FDA 21 CFR 177.1640	
Processing Method		Injection Molding	
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	14	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3170	MPa	ASTM D638
Tensile Strength (Yield)	42.7	MPa	ASTM D638
Flexural Modulus	3310	MPa	ASTM D790
Flexural Strength	76.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	21	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	78.3	°C	ASTM D648
Vicat Softening Temperature	98.3	°C	ASTM D1525

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