

CP PRYME® Polystyrene PS100-8M NAT

General Purpose Polystyrene

Chase Plastics Services Inc.

Message:

Crystal Polystyrene, FDA Compliant*

General Information			
Features	Crystal		
Agency Ratings	FDA 21 CFR 177.1640		
Appearance	Natural Color		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	8.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	3170	MPa	ASTM D638
Tensile Strength (Yield, 23°C)	44.8	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	2.0	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	21	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	83.9	°C	ASTM D648
Vicat Softening Temperature	101	°C	ASTM D1525

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