

CP PRYME® Polystyrene PS100HI-8M

High Impact Polystyrene
Chase Plastics Services Inc.

Message:

CP PRYME® Polystyrene PS100HI-8M is a High Impact Polystyrene product. It is available in North America. Primary characteristic: high flow.

General Information			
Features	High Flow		
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
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (L-Scale)	55		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1860	MPa	ASTM D638
Tensile Strength (Yield)	22.3	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	1860	MPa	ASTM D790
Flexural Strength	39.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ¹ (3.18 mm)	150	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	82.2	°C	ASTM D648
Vicat Softening Temperature	97.8	°C	ASTM D1525
CLTE - Flow	9.0E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength (3.18 mm)	16	kV/mm	ASTM D149
Dielectric Constant (1 MHz)	2.50		ASTM D150
Optical	Nominal Value		Test Method
Gardner Gloss (60°)	45		ASTM D523
NOTE			

1. 0.25 mm Notch Depth

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