

CP PRYME® Polypropylene PPC100/2.5I-35M

Polypropylene Impact Copolymer

Chase Plastics Services Inc.

Message:

CP PRYME® Polypropylene PPC100/2.5I-35M is a Polypropylene Impact Copolymer (PP Impact Copolymer) product. It is available in North America. Typical application: Food Contact Applications. Primary characteristic: copolymer.

General Information			
Features	Impact Copolymer		
Agency Ratings	FDA Unspecified Rating		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ASTM D1238
Molding Shrinkage - Flow (23°C, 48 hr)	1.4 to 1.6	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	83		ASTM D785
Durometer Hardness (Shore D)	55		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	21.4	MPa	ASTM D638
Flexural Modulus ²			ASTM D790
Secant	1050	MPa	
Tangent	1170	MPa	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C	48	J/m	
0°C	80	J/m	
23°C	140	J/m	
Instrumented Dart Impact ³ (-30°C, Total Energy)	40.7	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	98.9	°C	
1.8 MPa, Unannealed	57.2	°C	
NOTE			
1.	51 mm/min		
2.	1.3 mm/min		
3.	3.80 m/sec		

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