

CP PRYME® ABS A100-2

Acrylonitrile Butadiene Styrene

Chase Plastics Services Inc.

Message:

General Purpose Prime, ABS

General Information			
Uses	General		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.01	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	23	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 - 0.70	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	51.0	MPa	ASTM D638
Tensile Elongation (Break, 3.20 mm)	30	%	ASTM D638
Flexural Modulus (3.20 mm)	2740	MPa	ASTM D790
Flexural Strength (3.20 mm)	78.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C, 3.20 mm	80	J/m	ASTM D256
23°C, 3.20 mm	220	J/m	ASTM D256
23°C, 6.40 mm	200	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 6.40mm	90.0	°C	ASTM D648
1.8 MPa, unannealed, 6.40mm	86.1	°C	ASTM D648
Vicat Softening Temperature	93.9	°C	ASTM D1525

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