

CP PRYME® ABS A100-20

Chase Plastics Services Inc. - Acrylonitrile Butadiene Styrene

Friday, November 05, 2010

General Information

General

General Status	• Commercial Status
Availability	• North America
Features	• High Glass • High Impact Resistance
Appearance	• Natural Color
Form	• Pellets
Processing Method	• Injection Molding

ASTM & ISO Properties¹

Physical	ASTM Method	Units	Test Method
Density		1.05	ASTM D154
Roaming Flow Rate (MFR)			ASTM D1585
20°C/10 min		12 grams	
30°C/10 min		2.0 grams	
Molding Shrinkage - Flow	D 2040a-D 2040	in.	ASTM D2040
Mechanical	ASTM Method	Units	Test Method
Tensile Strength (Mod. TSP)		5100 psi	ASTM D638
Tensile Elongation (Mod. TSP)		20 %	ASTM D638
Flexural Modulus (TSP)		280000 psi	ASTM D790
Flexural Strength (Mod. TSP)		10000 psi	ASTM D790
Impact	ASTM Method	Units	Test Method
Notched Izod Impact			ASTM D256
10° 1/2" x 1/8"		1.2 ft-lbf/in	
10° 1/2" x 3/8"		7.0 ft-lbf/in	
Hardness	ASTM Method	Units	Test Method
Rockwell Hardness (R Scale, TSP)		100	ASTM D785
Thermal	ASTM Method	Units	Test Method
Collection Temperature Under Load			ASTM D2040
40 psi, unimodal, 0.002 in		90 °F	
Collection Temperature Under Load			ASTM D2040
200 psi, unimodal, 0.002 in		90 °F	
Q-TG - Flow	D 3050	min/10"	ASTM D3050
Flammability	ASTM Method	Units	Test Method
Flame Rating - UL 94 V-0 (UL 94 V-0)		UL	UL 94

Notes

¹ Typical properties. Values are not to be construed as specifications.