

CP PRYME® ABS A100-20

Acrylonitrile Butadiene Styrene

Chase Plastics Services Inc.

Message:

CP PRYME® ABS A100-20 is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by injection molding and is available in North America.

Characteristics include:

- Flame Rated
- High Gloss
- Impact Resistant

General Information			
UL YellowCard	E313980-100033970		
Features	High Gloss		
	High Impact Resistance		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
220°C/10.0 kg	12	g/10 min	
230°C/3.8 kg	5.0	g/10 min	
Molding Shrinkage - Flow	0.40 to 0.60	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	109		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	42.1	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	30	%	ASTM D638
Flexural Modulus (23°C)	2620	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	72.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C, 3.18 mm	64	J/m	
23°C, 3.18 mm	370	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 12.7 mm	91.7	°C	
1.8 MPa, Unannealed, 12.7 mm	85.0	°C	
CLTE - Flow	9.0E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method

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Recommended distributors for this material

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