

CP PRYME® ABS A100HR-67

Acrylonitrile Butadiene Styrene

Chase Plastics Services Inc.

Message:

Unfilled Prime ABS, Heat Resistant, Injection Molding Grade

General Information			
Features	Heat resistance, medium		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	3.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.40 - 0.70	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	106		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	47.1	MPa	ASTM D638
Tensile Elongation ²			ASTM D638
Yield, 3.20mm	> 5.0	%	ASTM D638
Fracture, 3.20mm	20	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	2350	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	73.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C, 3.20 mm	78	J/m	ASTM D256
-30°C, 6.40 mm	69	J/m	ASTM D256
23°C, 3.20 mm	160	J/m	ASTM D256
23°C, 6.40 mm	150	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 6.40mm	116	°C	ASTM D648
1.8 MPa, unannealed, 6.40mm	107	°C	ASTM D648
Vicat Softening Temperature	115	°C	ASTM D1525 ⁵
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity (23°C)	1.5E+3	ohms · cm	ASTM D257
Dielectric Strength (23°C)	33	kV/mm	ASTM D149
NOTE			
1.	50 mm/min		

2.	50 mm/min
3.	15 mm/min
4.	15 mm/min
5.	速率 A (50°C/h), 载荷2 (50N)

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