

KRALASTIC® ST-100

Acrylonitrile Butadiene Styrene

Nippon A&L; Inc.

Message:

KRALASTIC® ST-100 is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Asia Pacific or North America for injection molding. Primary attribute of KRALASTIC® ST-100: Flame Rated.

General Information			
UL YellowCard	E54706-245281		
Agency Ratings	JHOSPA Unspecified Rating		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.10	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	16.0	cm ³ /10min	ISO 1133
Molding Shrinkage	0.40 to 0.60	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	109		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	43.0	MPa	ISO 527-2
Flexural Modulus (23°C)	1900	MPa	ISO 178
Flexural Stress (23°C)	65.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	13	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	76.0	°C	ISO 75-2/A
CLTE - Flow (23 to 80°C)	8.0E-5	cm/cm/°C	JIS K7197
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Optical	Nominal Value	Unit	Test Method
Transmittance (2000 μm)	92.0	%	ISO 13468-1
Haze (2000 μm)	2.0	%	ISO 14782
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	> 3.0	hr	
Rear Temperature	200 to 240	°C	
Middle Temperature	200 to 240	°C	
Front Temperature	200 to 240	°C	

Mold Temperature	40.0 to 70.0	°C
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Recommended distributors for this material

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