

KRALASTIC® ST-600

Acrylonitrile Butadiene Styrene

Nippon A&L; Inc.

Message:

KRALASTIC® ST-600 is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Asia Pacific or North America for extrusion or injection molding.

General Information			
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Extrusion		
	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)	3.00	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)	108		ISO 2039-2

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	46.0	MPa	ISO 527-2
Flexural Modulus (23°C)	2000	MPa	ISO 178
Flexural Stress (23°C)	68.0	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	15	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

Optical	Nominal Value	Unit	Test Method
Transmittance (2000 μm)	89.0	%	ISO 13468-1
Haze (2000 μm)	2.5	%	ISO 14782

Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	> 3.0	hr	
Rear Temperature	190 to 240	°C	
Middle Temperature	190 to 240	°C	
Front Temperature	190 to 240	°C	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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