

CLEAREN 530L

Styrene Butadiene Block Copolymer
Denka Company Limited

Message:

CLEAREN 530L is a Styrene Butadiene Block Copolymer (SBC) product. It can be processed by injection molding and is available in Asia Pacific, Europe, or North America. Primary characteristic: high hardness.

General Information			
Features	General Purpose		
	High Hardness		
Uses	General Purpose		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.03	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	8.0	g/10 min	ISO 1133
Molding Shrinkage (2.00 mm)	0.50	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/50
Yield	43.0	MPa	
Break	20.0	MPa	
Nominal Tensile Strain at Break	30	%	ISO 527-2/50
Flexural Modulus ¹	2010	MPa	ISO 178
Flexural Stress ²	63.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	1.6	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	64.0	°C	ISO 75-2/Af
Vicat Softening Temperature	92.0	°C	ISO 306/B
Optical	Nominal Value	Unit	Test Method
Transmittance (2000 μm)	90.0	%	ISO 13468-1
Haze (2000 μm)	1.5	%	ISO 14782
Injection	Nominal Value	Unit	
Rear Temperature	180 to 220	°C	
Middle Temperature	180 to 220	°C	
Front Temperature	180 to 220	°C	
Nozzle Temperature	190 to 200	°C	
Mold Temperature	30.0 to 50.0	°C	
NOTE			
1.	2.0 mm/min		

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