

CLEAREN 220M

Styrene Butadiene Block Copolymer
Denka Company Limited

Message:

CLEAREN 220M 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 strength.

General Information			
Features	High Strength		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.02	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	7.0	g/10 min	ISO 1133
Molding Shrinkage (2.00 mm)	0.60	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/50
Yield	25.0	MPa	
Break	14.0	MPa	
Nominal Tensile Strain at Break	360	%	ISO 527-2/50
Flexural Modulus ¹	1350	MPa	ISO 178
Flexural Stress ²	25.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	8.4	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	60.0	°C	ISO 75-2/Af
Vicat Softening Temperature	78.0	°C	ISO 306/B
Optical	Nominal Value	Unit	Test Method
Transmittance (2000 μm)	87.0	%	ISO 13468-1
Haze (2000 μm)	2.8	%	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		
2.	2.0 mm/min		

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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

