

CLEAREN 210M

Styrene Butadiene Block Copolymer
Denka Company Limited

Message:

CLEAREN 210M 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: clarity.

General Information			
Features	High Clarity		
Appearance	Clear/Transparent		
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)	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	26.0	MPa	
Break	19.0	MPa	
Nominal Tensile Strain at Break	230	%	ISO 527-2/50
Flexural Modulus ¹	1530	MPa	ISO 178
Flexural Stress ²	31.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.5	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	61.0	°C	ISO 75-2/Af
Vicat Softening Temperature	81.0	°C	ISO 306/B
Optical	Nominal Value	Unit	Test Method
Transmittance (2000 μm)	90.0	%	ISO 13468-1
Haze (2000 μm)	1.6	%	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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