

TRANSMARE® 14CT20-0.002

Polypropylene Copolymer

Transmare Compounding B.V.

Message:

TRANSMARE® 14CT20-0.002 is a 20% standard (gray) talc filled polypropylene copolymer for injection molding purposes with high impact and good flow. Not suitable for light colors.

General Information			
Filler / Reinforcement	Talc,20% Filler by Weight		
Features	Good Flow		
	High Impact Resistance		
Appearance	Grey		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
230°C/2.16 kg	15	g/10 min	
230°C/5.0 kg	60	g/10 min	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	61		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/50
Yield, 4.00 mm	21.0	MPa	
Break, 4.00 mm	16.0	MPa	
Tensile Strain			ISO 527-2/50
Yield, 4.00 mm	3.5	%	
Break, 4.00 mm	50	%	
Flexural Modulus ¹	2000	MPa	ISO 178
Flexural Stress ²	33.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/A
-40°C	2.5	kJ/m ²	
-20°C	4.0	kJ/m ²	
0°C	5.7	kJ/m ²	
23°C	8.0	kJ/m ²	
Notched Izod Impact Strength			ISO 180/A
-40°C	3.5	kJ/m ²	
-20°C	4.5	kJ/m ²	

0°C	6.5	kJ/m ²	
23°C	11	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	81.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	54.0	°C	ISO 75-2/A
Vicat Softening Temperature	143	°C	ISO 306/A
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

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