

TRANSMARE® 14CT40-0.002

Polypropylene Copolymer

Transmare Compounding B.V.

Message:

TRANSMARE® 14CT40-0.002 is a 40% 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,40% Filler by Weight		
Features	Good Flow		
	High Impact Resistance		
Appearance	Grey		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
230°C/2.16 kg	8.5	g/10 min	
230°C/5.0 kg	40	g/10 min	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	63		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2/50
Yield, 4.00 mm	20.0	MPa	
Break, 4.00 mm	17.0	MPa	
Tensile Strain			ISO 527-2/50
Yield, 4.00 mm	2.3	%	
Break, 4.00 mm	10	%	
Flexural Modulus ¹	3150	MPa	ISO 178
Flexural Stress ²	34.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/A
0°C	2.6	kJ/m ²	
23°C	7.5	kJ/m ²	
Notched Izod Impact Strength			ISO 180/A
0°C	3.5	kJ/m ²	
23°C	8.5	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			

0.45 MPa, Unannealed	93.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	60.0	°C	ISO 75-2/A
Vicat Softening Temperature	144	°C	ISO 306/A
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

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