

TRANSMARE® 14CT40-0.001

Polypropylene Copolymer

Transmare Compounding B.V.

Message:

TRANSMARE® 14CT40-0.001 is a 40% fine, white talc filled polypropylene copolymer for injection molding purposes with high impact and good flow. Suitable for light colors.

General Information			
Filler / Reinforcement	Talc,40% Filler by Weight		
Features	Good Flow		
	High Impact Resistance		
Appearance	White		
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	5.5	g/10 min	
230°C/5.0 kg	30	g/10 min	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	64		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	19.0	MPa	
Tensile Strain			ISO 527-2/50
Yield, 4.00 mm	2.2	%	
Break, 4.00 mm	8.0	%	
Flexural Modulus ¹	3450	MPa	ISO 178
Flexural Stress ²	35.0	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	6.5	kJ/m ²	
Notched Izod Impact Strength			ISO 180/A
0°C	3.4	kJ/m ²	
23°C	7.5	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			

0.45 MPa, Unannealed	98.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	62.0	°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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