

TRANSMARE® 22CT20-0.001

Polypropylene Copolymer

Transmare Compounding B.V.

Message:

TRANSMARE® 22CT20-0.001 is a 20% fine white talc filled polypropylene copolymer. This grade contains a mould release agent.

General Information			
Filler / Reinforcement	Talc,20% Filler by Volume		
Additive	Mold Release		
Features	Copolymer		
	Good Mold Release		
	Recyclable Material		
Appearance	White		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	67		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (4.00 mm)	2430	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield, 4.00 mm	26.0	MPa	
Break, 4.00 mm	24.0	MPa	
Tensile Strain			ISO 527-2/50
Yield, 4.00 mm	3.1	%	
Break, 4.00 mm	8.0	%	
Flexural Modulus	2550	MPa	ISO 178
Flexural Stress	43.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1A
-40°C	2.1	kJ/m ²	
23°C	3.8	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1U
-40°C	55	kJ/m ²	
23°C	28	kJ/m ²	
Notched Izod Impact Strength			ISO 180/1A

-40°C	2.3	kJ/m ²	
23°C	4.2	kJ/m ²	
Unnotched Izod Impact Strength			ISO 180/1U
-40°C	20	kJ/m ²	
23°C	43	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	107	°C	ISO 75-2/B
1.8 MPa, Unannealed	55.0	°C	ISO 75-2/A
Vicat Softening Temperature	152	°C	ISO 306/A
Injection	Nominal Value	Unit	
Suggested Max Moisture	< 0.20	%	
Rear Temperature	170	°C	
Middle Temperature	230	°C	
Front Temperature	240	°C	
Nozzle Temperature	250	°C	
Mold Temperature	40.0 to 60.0	°C	
Injection Rate	Moderate-Fast		

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