TRANSMARE® 22CGF30-0.001

Polypropylene Copolymer

Transmare Compounding B.V.

Message:

TRANSMARE® 22CGF30-0.001 is a 30% chemically coupled glass fiber reinforced polypropylene copolymer. It combines good impact properties with a high stiffness, and good flow properties. This grade contains a mould release agent.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Mold Release		
Features	Chemically Coupled Copolymer Good Flow Good Impact Resistance Good Mold Release High Stiffness Recyclable Material		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.11	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.0	g/10 min	ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D)	70		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus (4.00 mm)	6000	MPa	ISO 527-2/1
Tensile Stress (Break, 4.00 mm)	76.0	MPa	ISO 527-2/50
Tensile Strain (Break, 4.00 mm)	3.5	%	ISO 527-2/50
Flexural Modulus	5150	MPa	ISO 178
Flexural Stress	106	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1A
-40°C	9.0	kJ/m²	
23°C	14	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1U
-40°C	52	kJ/m²	
23°C	50	kJ/m²	
Notched Izod Impact Strength			ISO 180/1A
-40°C	10	kJ/m²	

23°C	16	kJ/m²	
Unnotched Izod Impact Strength			ISO 180/1U
-40°C	49	kJ/m²	
23°C	47	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature			
0.45 MPa, Unannealed	159	°C	ISO 75-2/B
1.8 MPa, Unannealed	135	°C	ISO 75-2/A
Vicat Softening Temperature	163	°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	Slow-Moderate		

Recommended distributors for this material

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