Hostacom HRG 328T NAT

Compounded Polyolefin

Product Description

Hostacom HRG 328T NAT is a 30% glass fiber reinforced PP homopolymer, with high flowability, very good stiffness, low CLTE (Coefficient of Linear Thermal Expansion), low creep under load at elevated temperatures and low emissions. The product is available as natural, pellet form.

This grade is not intended for medical, pharmaceutical, food and drinking water applications.

Product Characteristics

Status	Commercial
Processing Method	Injection molding
Features	Flowability, stiffness, CLTE (Coefficient of Linear Thermal Expansion), creep under load at elevated temperatures, emissions.
Typical Customer Applications	Used for structural parts.

Typical Properties	Method	Value	Unit
Physical			
Melt Flow Rate (230 °C, 2.16 kg)	ISO 1133	12	g/10 min
Melt Volume Rate (230 °C, 2.16 kg)	ISO 1133	13	cm^3/10 min
Density (23 °C)	ISO 1183-1/A	1.12	g/cm^3
Mechanical			
Tensile Modulus (23 °C)	ISO 527-1, -2	7000	MPa
Tensile Stress at Break (23 °C)	ISO 527-1, -2	95	MPa
Tens.Strain at Break	ISO 527-1, -2	2.6	%
Flexural Modulus (23 °C) Tech. A	ISO 178/A1	7200	MPa
Flexural Strength (23 °C) Tech. A	ISO 178/A1	140	MPa
Impact			
Charpy Impact Strength, unnotched (23 °C)	ISO 179-1/1eU	45	kJ/m^2
Charpy Impact Strength, notched (23 °C)	ISO 179-1/1eA	9.5	kJ/m^2
Thermal			
Vicat Softening Temperature B (50 N)	ISO 306	135	°C
Heat Deflection Temperature A (1.8 MPa)	ISO 75-1, -2	145	°C
Heat Deflection Temperature B (0.45 MPa)	ISO 75-1, -2	155	°C

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light.
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing.