

Hostacom HRG 328T NAT

Polypropylene Homopolymer

LyondellBasell Industries

Message:

Hostacom HRG 328T NAT is a low-emission / low-odor 30% glass coupled PP homopolymer with high flow, very high stiffness and low CLTE. Low creep under load at elevated temperatures. The product is designed for injection moulding of automotive parts and is available in natural colour. It is not intended for medical, pharmaceutical and drinking water applications.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Good Chemical Resistance		
	Good Creep Resistance		
	High Flow		
	High Stiffness		
	Low Emissions		
	Low to No Odor		
Uses	Automotive Applications		
	Automotive Under the Hood		
	Structural Parts		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness (H 358/30)	120	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant	7000	MPa	ISO 527-2
Tensile Stress (Break)	95.0	MPa	ISO 527-2/50
Tensile Strain (Break)	2.6	%	ISO 527-2/50
Flexural Modulus - Secant	7200	MPa	ISO 178
Flexural Stress	140	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	9.5	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	45	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	155	°C	ISO 75-2/B

1.8 MPa, Unannealed	145	°C	ISO 75-2/A
Vicat Softening Temperature	135	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Carbon Emission ¹ (120°C)	< 15.0	µgC/g	VW Norm PV 3341
Fogging ² (100°C)	< 1.0	mg	DIN 75201B
Odor ³ (80°C)	< 4.00		VW PV3200
NOTE			
1.	5 hr		
2.	16 hr		
3.	2 hr, Note 1-6		

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