

Hostacom GC20H250

Polypropylene Homopolymer

LyondellBasell Industries

Message:

20% glass coupled PP homopolymer. Medium flow, very high stiffness, low CLTE. Low creep under load at elevated temperature.

General Information	
Filler / Reinforcement	Glass Fiber,20% Filler by Weight
Features	Good Creep Resistance
	Good Stiffness
	Homopolymer
	Medium Flow
Uses	Automotive Applications
	Automotive Under the Hood
	Structural Parts

Physical	Nominal Value	Unit	Test Method
Density	1.04	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	4.00	cm ³ /10min	ISO 1133
Molding Shrinkage	0.20 to 1.0	%	Internal Method

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant	4700	MPa	ISO 527-2
Tensile Stress (Yield)	70.0	MPa	ISO 527-2/50
Tensile Strain (Break)	3.0	%	ISO 527-2/50
Flexural Modulus - Secant	4500	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	20	kJ/m ²	
23°C	35	kJ/m ²	
Unnotched Izod Impact Strength			ISO 180
-30°C	5.0	kJ/m ²	
23°C	6.0	kJ/m ²	

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	160	°C	ISO 75-2/B
1.8 MPa, Unannealed	142	°C	ISO 75-2/A
Vicat Softening Temperature	130	°C	ISO 306/A50

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