

Hostacom G3 R11 105290

Polypropylene Homopolymer
LyondellBasell Industries

Message:

"Hostacom" G3 R11 105290 is a 30% glass coupled PP homopolymer with high flow, very high stiffness and low CLTE. Low creep under load at elevated temperatures. Good mould release properties. It is not intended for medical, pharmaceutical or drinking water applications.

General Information	
Filler / Reinforcement	Glass Fiber,30% Filler by Weight
Features	Good Creep Resistance
	Good Mold Release
	Good Stiffness
	High Flow
	Homopolymer
Uses	Automotive Applications
	Automotive Under the Hood
	Structural Parts

Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	11	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/5.0 kg)	12.0	cm³/10min	ISO 1133
Molding Shrinkage	0.30 to 1.1	%	Internal Method

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - Secant	6500	MPa	ISO 527-2
Tensile Stress (Break)	88.0	MPa	ISO 527-2/50
Tensile Strain (Break)	3.0	%	ISO 527-2/50
Flexural Modulus - Secant	6000	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	11	kJ/m²	ISO 179/A
Charpy Unnotched Impact Strength			ISO 179/1eU
-20°C	40	kJ/m²	
23°C	45	kJ/m²	

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	155	°C	ISO 75-2/B
1.8 MPa, Unannealed	138	°C	ISO 75-2/A

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