

Technical Data Sheet

Hostacom G3 U01 102297

Polypropylene Compounds



Product Description

Hostacom G3 U01 102297 is a 30% glass fiber reinforced PP homopolymer, with high melt flow rate, high stiffness and low creep under load at elevated temperatures. This grade is delivered in 102297 color version.

Application	Underhood
Market	Automotive
Processing Method	Injection Molding

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	14	g/10 min	ISO 1133-1
Melt Volume Flow Rate, (230 °C/2.16 kg)	15	cm ³ /10 min	ISO 1133-1
Density, (23 °C)	1.14	g/cm ³	ISO 1183-1/A
Mechanical			
Flexural Modulus, (23 °C)	6500	MPa	ISO 178
Tensile Modulus, (23 °C)	6300	MPa	ISO 527-1, -2
Tensile Stress at Yield, (23 °C)	92	MPa	ISO 527-1, -2
Tensile Strain at Break, (23 °C, 50 mm/min)	3.2	%	ISO 527-1, -2
Tensile Strain at Yield, (23 °C)	2.8	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	10	kJ/m ²	ISO 179-1/1eA
(-30 °C)	7	kJ/m ²	ISO 179-1/1eA
Charpy Impact Strength - Unnotched, (23 °C)	45	kJ/m ²	ISO 179-1/1eU
Thermal			
Vicat Softening Temperature, (B50)	130	°C	ISO 306
Deflection Temperature Under Load			
(0.45 MPa, Unannealed)	158	°C	ISO 75B-1, -2
(1.80 MPa, Unannealed)	145	°C	ISO 75A-1, -2

Notes

These are typical property values not to be construed as specification limits.

