

Technical Data Sheet

Hostacom X G3 U12 100000



Polypropylene Compounds

Product Description

Hostacom X G3 U12 100000 is a mixed filler grade, PP copolymer, with a 20% of glass fiber reinforcing and a 10% of mica functional filling, with a high flowability, high stiffness and low creep under load at elevated temperatures. The product is available in black color, pellet form.

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

Application	Automotive Parts
Market	Automotive
Processing Method	Injection Molding
Attribute	High Stiffness; Low Creep Under Load at Elevated Temperatures

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	16	g/10 min	ISO 1133-1
Melt Volume Flow Rate, (230 °C/2.16 kg)	17	cm ³ /10 min	ISO 1133-1
Density, (23 °C)	1.11	g/cm ³	ISO 1183-1/A
Mechanical			
Tensile Modulus, (23 °C)	4500	MPa	ISO 527-1, -2
Tensile Stress at Yield, (23 °C)	55	MPa	ISO 527-1, -2
Tensile Strain at Break, (23 °C)	4.5	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched, (23 °C)	10	kJ/m ²	ISO 179-1/1eA
Charpy Impact Strength - Unnotched, (23 °C)	35	kJ/m ²	ISO 179-1/1eU
Thermal			
Vicat Softening Temperature, (B50)	100	°C	ISO 306
Deflection Temperature Under Load, (1.80 MPa, Unannealed)	142	°C	ISO 75A-1, -2