

## 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.*

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

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
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 <sup>3</sup> /10 min	ISO 1133-1
Density, (23 °C)	1.11	g/cm <sup>3</sup>	ISO 1183-1/A
<b>Mechanical</b>			
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
<b>Impact</b>			
Charpy Impact Strength - Notched, (23 °C)	10	kJ/m <sup>2</sup>	ISO 179-1/1eA
Charpy Impact Strength - Unnotched, (23 °C)	35	kJ/m <sup>2</sup>	ISO 179-1/1eU
<b>Thermal</b>			
Vicat Softening Temperature, (B50)	100	°C	ISO 306
Deflection Temperature Under Load, (1.80 MPa, Unannealed)	142	°C	ISO 75A-1, -2