

Technical Data Sheet

Hostacom X G3 U10 100001

Polypropylene Compounds



Product Description

Hostacom X G3 U10 100001 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 black color version.

Application	Structural Parts
Market	Automotive
Processing Method	Injection Molding
Attribute	High Stiffness

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	cm³/10 min	ISO 1133-1
Density, (23 °C)	1.14	g/cm³	ISO 1183-1/A
Mechanical			
Tensile Modulus, (23 °C)	6500	MPa	ISO 527-1, -2
Tensile Stress at Yield, (23 °C)	80	MPa	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched, (23 °C)	10	kJ/m²	ISO 179-1/1eA
Charpy Impact Strength - Unnotched, (23 °C)	45	kJ/m²	ISO 179-1/1eU
Thermal			
Deflection Temperature Under Load, (1.80 MPa, Unannealed)	140	°C	ISO 75A-1, -2

