

Technical Data Sheet

Hostacom G3 R05N 105555 BLK



Polypropylene Compounds

Product Description

Hostacom G3 R05N 105555 BLK is a 30% glass fiber reinforced PP homopolymer with excellent stiffness, good dimensional stability and low creep under load at elevated temperatures. This product is available in black color pellet form.

Application	Structural Parts
Market	Automotive
Processing Method	Injection Molding
Attribute	Excellent Stiffness; Good Dimensional Stability; Low Creep Under Load at Elevated Temperatures

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	4	g/10 min	ISO 1133-1
Density, (23 °C)	1.14	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus, (23 °C)	7200	MPa	ISO 178
Flexural Strength, (23 °C, Tech. A)	145	MPa	ISO 178/A1
Tensile Modulus, (23 °C)	7000	MPa	ISO 527-1, -2
Tensile Stress at Yield, (23 °C)	98	MPa	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched, (23 °C)	10	kJ/m ²	ISO 179
Thermal			
Deflection Temperature Under Load			
(0.45 MPa, Unannealed)	160	°C	ISO 75B-1, -2
(1.80 MPa, Unannealed)	145	°C	ISO 75A-1, -2