

Technical Data Sheet

Hostacom HYG 400-2 BLACK



Polypropylene Compounds

Product Description

Hostacom HYG 400-2 BLACK is a 20% glass fiber reinforced PP homopolymer, with very high flowability, low emissions and high stiffness. 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 Flow; High Stiffness

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (230 °C/2.16 kg)	60	cm ³ /10 min	ISO 1133-1
Density, (23 °C)	1.05	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus, (23 °C)	4800	MPa	ISO 527-1, -2
Tensile Stress at Yield, (23 °C)	80	MPa	ISO 527-1, -2
Tensile Strain at Break, (23 °C)	3	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched (23 °C)	7	kJ/m ²	ISO 179-1/1eA
(-30 °C)	6	kJ/m ²	ISO 179-1/1eA
Charpy Impact Strength - Unnotched, (23 °C)	40	kJ/m ²	ISO 179-1/1eU
Hardness			
Ball Indentation Hardness, (358 N)	115	N/mm ²	ISO 2039-1
Thermal			
Vicat Softening Temperature, (B50)	128	°C	ISO 306
Deflection Temperature Under Load, (1.80 MPa, Unannealed)	135	°C	ISO 75A-1, -2