

Technical Data Sheet

Hostacom HBG 322D C1 NAT

Polypropylene Compounds



Product Description

"Hostacom" HBG 322D C1 Natural is a 30% glass fiber reinforced PP homopolymer (coupled). It combines excellent stiffness properties with good dimensional stability and low creep under load at elevated temperatures. The product is designed for injection molding of washing machine parts in permanent contact with hot water, steam and detergents and is available in natural color. It is not intended for medical, pharmaceutical or drinking water applications.

Application	White Goods
Market	Electrical / Electronics
Processing Method	Injection Molding

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)	1.12	g/cm ³	ISO 1183-1/A
Mechanical			
Tensile Modulus, (23 °C)	6500	MPa	ISO 527-1, -2
Tensile Stress at Break, (23 °C)	85	MPa	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched, (23 °C)	9	kJ/m ²	ISO 179-1/1eA
Charpy Impact Strength - Unnotched, (23 °C)	45	kJ/m ²	ISO 179-1/1eU
Thermal			
Deflection Temperature Under Load, (1.80 MPa, Unannealed)	140	°C	ISO 75A-1, -2

