

Technical Data Sheet

Hostacom TRG 436P NAT



Polypropylene Compounds

Product Description

Hostacom TRG 436P NAT is a glass fiber reinforced impact modified PP with medium melt flow rate. It combines a well-balanced impact/stiffness ratio with good surface and high UV stability for applications requiring high ductility also at low temperatures.

This grade is not intended for medical, pharmaceutical, food and drinking water applications.

Application	Exterior Automotive Applications; Outdoor and Power Tools
Market	Electrical / Electronics
Processing Method	Injection Molding
Attribute	Medium Flow

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	13	g/10 min	ISO 1133-1
Melt Volume Flow Rate, (230 °C/2.16 kg)	13	cm ³ /10 min	ISO 1133-1
Density, (23 °C)	1.21	g/cm ³	ISO 1183-1/A
Mechanical			
Flexural Modulus, (23 °C, Tech. A)	7500	MPa	ISO 178/A1
Tensile Modulus, (23 °C)	8000	MPa	ISO 527-1, -2
Tensile Stress at Yield, (23 °C)	85	MPa	ISO 527-1, -2
Tensile Strain at Yield, (23 °C)	3	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	12	kJ/m ²	ISO 179-1/1eA
(0 °C)	10	kJ/m ²	ISO 179-1/1eA
(-30 °C)	10	kJ/m ²	ISO 179-1/1eA
Charpy Impact Strength - Unnotched			
(23 °C)	55	kJ/m ²	ISO 179-1/1eU
(0 °C)	55	kJ/m ²	ISO 179-1/1eU
Thermal			
Vicat Softening Temperature, (B50)	110	°C	ISO 306
Deflection Temperature Under Load, (1.80 MPa, Unannealed)	140	°C	ISO 75A-1, -2