

Technical Data Sheet

Hostacom AJ 1165 E BLACK



Polypropylene Compounds

Product Description

Hostacom AJ 1165 E BLACK is a 30 % chemically coupled, glass fiber reinforced PP homopolymer, with medium melt flow rate, high rigidity, good impact resistance and excellent impact/stiffness balance. The product is available in black color, pellet form.

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

Application	Underhood
Market	Automotive
Processing Method	Injection Molding
Attribute	Ultra High Stiffness

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	5	g/10 min	ISO 1133-1
Density, (23 °C)	1.14	g/cm ³	ISO 1183-1/A
Mechanical			
Flexural Modulus, (23 °C, Tech. A)	7400	MPa	ISO 178/A1
Flexural Strength, (23 °C, Tech. A)	135	MPa	ISO 178/A1
Tensile Stress at Yield, (23 °C)	97	MPa	ISO 527-1, -2
Impact			
Notched Izod Impact Strength			
(23 °C)	10	kJ/m ²	ISO 180/1A
(-30 °C)	8	kJ/m ²	ISO 180/1A
Thermal			
Vicat Softening Temperature, (B50)	130	°C	ISO 306
Deflection Temperature Under Load, (1.80 MPa, Unannealed)	150	°C	ISO 75A-1, -2