

Technical Data Sheet

Hostacom HKG 424-5L NAT



Polypropylene Compounds

Product Description

Hostacom HKG 424-5L NAT is a 50% glass fiber reinforced PP homopolymer with medium melt flow. The grade is UL listed in all colors as part of a family with 20, 30, 40 and 50% glass fiber loading and UL 2157 certified.

The material is not intended for medical, pharmaceutical or drinking water application.

Application	White Goods
Market	Electrical / Electronics
Processing Method	Injection Molding
Attribute	Excellent Stiffness

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	6	g/10 min	ISO 1133-1
Melt Volume Flow Rate, (230 °C/2.16 kg)	5	cm ³ /10 min	ISO 1133-1
Density, (23 °C)	1.35	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	12800	MPa	ISO 178/A1
Tensile Modulus, (23 °C)	12000	MPa	ISO 527-1, -2
Tensile Stress at Break, (23 °C)	130	MPa	ISO 527-1, -2
Tensile Strain at Break, (23 °C)	2.5	%	ISO 527-1, -2
Impact			
Charpy Impact Strength - Notched			
(23 °C)	13	kJ/m ²	ISO 179-1/1eA
(0 °C)	9	kJ/m ²	ISO 179-1/1eA
Charpy Impact Strength - Unnotched			
(23 °C)	60	kJ/m ²	ISO 179-1/1eU
(0 °C)	54	kJ/m ²	ISO 179-1/1eU
Thermal			
Vicat Softening Temperature, (B50)	140	°C	ISO 306
Deflection Temperature Under Load			
(0.45 MPa, Unannealed)	160	°C	ISO 75A-1, -2
(1.80 MPa, Unannealed)	150	°C	ISO 75A-1, -2

