

## 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.

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

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
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 <sup>3</sup> /10 min	ISO 1133-1
Density, (23 °C)	1.35	g/cm <sup>3</sup>	ISO 1183-1
<b>Mechanical</b>			
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
<b>Impact</b>			
Charpy Impact Strength - Notched			
(23 °C)	13	kJ/m <sup>2</sup>	ISO 179-1/1eA
(0 °C)	9	kJ/m <sup>2</sup>	ISO 179-1/1eA
Charpy Impact Strength - Unnotched			
(23 °C)	60	kJ/m <sup>2</sup>	ISO 179-1/1eU
(0 °C)	54	kJ/m <sup>2</sup>	ISO 179-1/1eU
<b>Thermal</b>			
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