

## Technical Data Sheet

### Hostacom HKG 424-3L E1 NAT



Polypropylene Compounds

#### Product Description

Hostacom HKG 424-3L E1 NAT is a 30% 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.

Hostacom HKG 424-3L E1 NAT has an RTI of 115°C.

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

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

Typical Properties	Nominal Value	Units	Test Method
<b>Physical</b>			
Melt Flow Rate			
(230 °C/2.16 kg)	7	g/10 min	ASTM D1238
(230 °C/2.16 kg)	7	g/10 min	ISO 1133-1
Melt Volume Flow Rate, (230 °C/2.16 kg)	7.5	cm <sup>3</sup> /10 min	ISO 1133-1
Density			
(23 °C)	1.13	g/cm <sup>3</sup>	ASTM D792
(23 °C)	1.15	g/cm <sup>3</sup>	ISO 1183-1/A
<b>Mechanical</b>			
Flexural Modulus			
(23 °C)	67100	kg/cm <sup>2</sup>	ASTM D790
(23 °C, Tech. A)	7000	MPa	ISO 178/A1
Flexural Strength			
(23 °C)	1280	kg/cm <sup>2</sup>	ASTM D790
(23 °C, Tech. A)	140	MPa	ISO 178/A1
Tensile Modulus			
(23 °C)	7500	MPa	ISO 527-1, -2
(23 °C)	70900	kg/cm <sup>2</sup>	ASTM D638
Tensile Strength, (23 °C)	990	kg/cm <sup>2</sup>	ASTM D638
Tensile Stress at Yield, (23 °C)	105	MPa	ISO 527-1, -2
Tensile Strain at Break, (23 °C)	3	%	ISO 527-1, -2
<b>Impact</b>			

Charpy Impact Strength - Notched			
(23 °C)	9.5	kJ/m <sup>2</sup>	ISO 179-1/1eA
(0 °C)	8	kJ/m <sup>2</sup>	ISO 179-1/1eA
Charpy Impact Strength - Unnotched			
(23 °C)	50	kJ/m <sup>2</sup>	ISO 179-1/1eU
(0 °C)	48	kJ/m <sup>2</sup>	ISO 179-1/1eU
Notched Izod Impact Strength, (23 °C)	11	kg*cm/cm	ASTM D256
<b>Thermal</b>			
Vicat Softening Temperature, (B50)	135	°C	ISO 306
Deflection Temperature Under Load			
(0.45 MPa, Unannealed)	158	°C	ISO 75B-1, -2
(1.80 MPa, Unannealed)	145	°C	ISO 75A-1, -2
(1.80 MPa, Unannealed)	161	°C	ASTM D648