

## Technical Data Sheet

**Hostacom G3 U01 102297**

Polypropylene Compounds

**Product Description**

Hostacom G3 U01 102297 is a 30% glass fiber reinforced PP homopolymer, with high melt flow rate, high stiffness and low creep under load at elevated temperatures. This grade is delivered in 102297 color version.

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

<b>Application</b>	Underhood
<b>Market</b>	Automotive
<b>Processing Method</b>	Injection Molding

<b>Typical Properties</b>	<b>Nominal Value</b>	<b>Units</b>	<b>Test Method</b>
<b>Physical</b>			
Melt Flow Rate, (230 °C/2.16 kg)	14	g/10 min	ISO 1133-1
Melt Volume Flow Rate, (230 °C/2.16 kg)	15	cm <sup>3</sup> /10 min	ISO 1133-1
Density, (23 °C)	1.14	g/cm <sup>3</sup>	ISO 1183-1/A
<b>Mechanical</b>			
Flexural Modulus, (23 °C)	6500	MPa	ISO 178
Tensile Modulus, (23 °C)	6300	MPa	ISO 527-1, -2
Tensile Stress at Yield, (23 °C)	92	MPa	ISO 527-1, -2
Tensile Strain at Break, (23 °C, 50 mm/min)	3.2	%	ISO 527-1, -2
Tensile Strain at Yield, (23 °C)	2.8	%	ISO 527-1, -2
<b>Impact</b>			
Charpy Impact Strength - Notched			
(23 °C)	10	kJ/m <sup>2</sup>	ISO 179-1/1eA
(-30 °C)	8	kJ/m <sup>2</sup>	ISO 179-1/1eA
Charpy Impact Strength - Unnotched, (23 °C)	45	kJ/m <sup>2</sup>	ISO 179-1/1eU
<b>Thermal</b>			
Vicat Softening Temperature, (B50)	130	°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