

## LyondellBasell Hostacomâ„ç BR712GC Polypropylene Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Mineral Reinforced

### Material Notes:

Description: Hostacomâ„ç BR712GC conventional melt flow, 1,300 MPa flexural modulus, UV-stabilized, mineral-filled polypropylene copolymer has an excellent balance of stiffness, impact and weatherability. It was designed primarily for molded-in color automotive interior components. Uses: Automotive interior parts  
Information provided by Basell.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_LyondellBasell-Hostacom-BR712GC-Polypropylene-Copolymer.php](http://www.lookpolymers.com/polymer_LyondellBasell-Hostacom-BR712GC-Polypropylene-Copolymer.php)

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage	0.0080 cm/cm	0.0080 in/in	ISO 2577
Melt Flow	3.0 g/10 min @Load 2.16 kg, Temperature 230 Â°C	3.0 g/10 min @Load 4.76 lb, Temperature 446 Â°F	Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	17.0 MPa	2470 psi	ISO 527-1, -2
Tensile Strength, Yield	16.0 MPa	2320 psi	ISO 527-1, -2
Elongation at Break	500 %	500 %	ISO 527-1, -2
Elongation at Yield	5.0 %	5.0 %	ISO 527-1, -2
Flexural Modulus	1.30 GPa	189 ksi	ISO 178
Izod Impact, Notched (ISO)	4.00 kJ/m <sup>2</sup> @Temperature -40.0 Â°C	1.90 ft-lb/in <sup>2</sup> @Temperature -40.0 Â°F	ISO 180
	43.0 kJ/m <sup>2</sup> @Temperature 10.0 Â°C	20.5 ft-lb/in <sup>2</sup> @Temperature 50.0 Â°F	ISO 180
	50.0 kJ/m <sup>2</sup> @Temperature 23.0 Â°C	23.8 ft-lb/in <sup>2</sup> @Temperature 73.4 Â°F	ISO 180

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	88.9 Â°C	192 Â°F	Unannealed; ISO 75B-1, -2

Deflection Temperature at 1.8 MPa Thermal Properties (104 psi)	48.9 A°C Metric	120 A°F English	Unannealed; ISO 75A-1, -2 Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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