

## Plastcom SLOVALEN PC 59 GB 10 PP, 10% glass beads

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Glass Bead Filled

### Material Notes:

**Features**Compounded homopolymer PP, with the content of 10% chemically bound glass beads and modifier of mechanical properties. Increased strength in comparison with unfilled PP. Use in all industry sectors. Delivered in the natural mode and in the full RAL colour scale.  
**Packaging, transport, stocking**The product is packed in hermetically closed thick-walled 25 kg PE bags, on a 1.000 kg palette coated in a stretch foil, in big bags with a thick PE foil fixed on a 1.000 kg palette, in paper octabins with a thick PE foil fixed on a 1.000 kg palette or in other packaging according to customer requirements. The transport is provided in closed-up vehicles where the material is protected against movement and mechanical damage. The product requires stocking in closed-up, dry places protected against sun and thermal radiation.  
**Information Provided by Plastcom spol. s r.o.**

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Plastcom-SLOVALEN-PC-59-GB-10-PP-10-glass-beads.php](http://www.lookpolymers.com/polymer_Plastcom-SLOVALEN-PC-59-GB-10-PP-10-glass-beads.php)

Physical Properties	Metric	English	Comments
Density	1.03 g/cc	0.0372 lb/in <sup>3</sup>	
Linear Mold Shrinkage	0.0199 cm/cm	0.0199 in/in	
Linear Mold Shrinkage, Transverse	0.0202 cm/cm	0.0202 in/in	
Melt Flow	5.0 g/10 min @Load 0.325 kg, Temperature 270 °C	5.0 g/10 min @Load 0.716 lb, Temperature 518 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	30.0 MPa	4350 psi	
Elongation at Break	5.0 %	5.0 %	
Tensile Modulus	1.50 GPa	218 ksi	
Flexural Strength	40.0 MPa	5800 psi	
Flexural Modulus	1.50 GPa	218 ksi	
Charpy Impact Unnotched	2.00 J/cm <sup>2</sup> @Temperature -20.0 °C	9.52 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	
	3.00 J/cm <sup>2</sup> @Temperature 23.0 °C	14.3 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	
Charpy Impact, Notched	0.300 J/cm <sup>2</sup> @Temperature -20.0 °C	1.43 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	

Mechanical Properties	0.600 J/cm² Metric	2.86 ft-lb/in² English	Comments
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	150 °C	302 °F	
Deflection Temperature at 1.8 MPa (264 psi)	160 °C	320 °F	
Vicat Softening Point	100 °C	212 °F	B

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 250 °C	392 - 482 °F	
Mold Temperature	30.0 - 50.0 °C	86.0 - 122 °F	
Injection Pressure	60.0 - 100 MPa	8700 - 14500 psi	

## Contact Songhan Plastic Technology Co.,Ltd.

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