

## Plastcom SLOVALEN PC 93 T 5 PP reinforced with 5% mineral filler

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 10% Talc Filler

### Material Notes:

Features: Modified PP for injection moulding with the content of 5% mineral filling. Increased rigidity, strength and thermal. Decreased shrinkage. General application in all industry branches. 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-93-T-5-PP-reinforced-with-5-mineral-filler.php](http://www.lookpolymers.com/polymer_Plastcom-SLOVALEN-PC-93-T-5-PP-reinforced-with-5-mineral-filler.php)

Physical Properties	Metric	English	Comments
Density	0.980 g/cc	0.0354 lb/in <sup>3</sup>	
Linear Mold Shrinkage	0.018 cm/cm	0.018 in/in	
Linear Mold Shrinkage, Transverse	0.017 cm/cm	0.017 in/in	
Melt Flow	22 g/10 min @Load 2.16 kg, Temperature 230 °C	22 g/10 min @Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	18.0 MPa	2610 psi	
Elongation at Break	8.0 %	8.0 %	
Tensile Modulus	1.50 GPa	218 ksi	
Flexural Strength	21.0 MPa	3050 psi	
Flexural Modulus	1.25 GPa	181 ksi	
Charpy Impact Unnotched	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	
	NB @Temperature -20.0 °C	NB @Temperature -4.00 °F	
Charpy Impact, Notched	0.700 J/cm <sup>2</sup> @Temperature -20.0 °C	3.33 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	
	5.10 J/cm <sup>2</sup>	24.3 ft-lb/in <sup>2</sup>	

Mechanical Properties	@Temperature 23.0 °C Metric	@Temperature 73.4 °F English	Comments
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Thermal Properties	Metric	English	Comments
Melting Point	160 °C	320 °F	
Deflection Temperature at 1.8 MPa (264 psi)	88.0 °C	190 °F	
Vicat Softening Point	122 °C	252 °F	
Flammability Test	1.0	1.0	

Processing Properties	Metric	English	Comments
Melt Temperature	200 - 250 °C	392 - 482 °F	
Mold Temperature	40.0 - 50.0 °C	104 - 122 °F	
Drying Temperature	80.0 °C	176 °F	
Dry Time	4 hour	4 hour	
Injection Pressure	70.0 - 120 MPa	10200 - 17400 psi	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China