

## Plastcom SLOVALEN PH 91 N PP, basic type

Category : Polymer , Thermoplastic , Polypropylene (PP)

### Material Notes:

**Features** Compounded homopolymer PP. General use in all industry branches. Packing material, garden flower-pots, toys, furniture industry, guides, dowels, clamps, office chairs, holders etc. Delivered in 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-PH-91-N-PP-basic-type.php](http://www.lookpolymers.com/polymer_Plastcom-SLOVALEN-PH-91-N-PP-basic-type.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	
Linear Mold Shrinkage	0.0181 cm/cm	0.0181 in/in	
Linear Mold Shrinkage, Transverse	0.0193 cm/cm	0.0193 in/in	
Melt Flow	25 g/10 min @Load 0.325 kg, Temperature 270 °C	25 g/10 min @Load 0.716 lb, Temperature 518 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	34.0 MPa	4930 psi	
Elongation at Break	150 %	150 %	
Tensile Modulus	1.40 GPa	203 ksi	
Flexural Strength	40.0 MPa	5800 psi	
Flexural Modulus	1.30 GPa	189 ksi	
Charpy Impact Unnotched	3.20 J/cm <sup>2</sup> @Temperature -20.0 °C	15.2 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	
	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	
Charpy Impact, Notched	0.400 J/cm <sup>2</sup> @Temperature -20.0 °C	1.90 ft-lb/in <sup>2</sup> @Temperature -4.00 °F	

Thermal Properties	Metric	English	Comments
Melting Point	150 °C	302 °F	
Deflection Temperature at 1.8 MPa (264 psi)	80.0 °C	176 °F	
Vicat Softening Point	150 °C	302 °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	50.0 - 80.0 MPa	7250 - 11600 psi	

## Contact Songhan Plastic Technology Co.,Ltd.

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