

## BASF Novolen® 3340 PC Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

### Material Notes:

Nucleated grade for injection moldings with higher transparency.Data was collected by ISO methods and provided by BASF.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_BASF-Novolen-3340-PC-Polypropylene.php](http://www.lookpolymers.com/polymer_BASF-Novolen-3340-PC-Polypropylene.php)

Physical Properties	Metric	English	Comments
Density	0.910 g/cc	0.0329 lb/in <sup>3</sup>	
Water Absorption	0.10 %	0.10 %	
Moisture Absorption at Equilibrium	0.10 %	0.10 %	
Linear Mold Shrinkage, Flow	0.013 cm/cm	0.013 in/in	
Melt Flow	20 g/10 min	20 g/10 min	
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	21.0 MPa	3050 psi	
Elongation at Break	>= 50 %	>= 50 %	
Tensile Modulus	0.800 GPa	116 ksi	
Charpy Impact Unnotched	NB	NB	
	1.50 J/cm <sup>2</sup>	7.14 ft-lb/in <sup>2</sup>	
	@Temperature -30.0 °C	@Temperature -22.0 °F	
Charpy Impact, Notched	0.800 J/cm <sup>2</sup>	3.81 ft-lb/in <sup>2</sup>	
	0.200 J/cm <sup>2</sup>	0.952 ft-lb/in <sup>2</sup>	
	@Temperature -30.0 °C	@Temperature -22.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	185 µm/m-°C	103 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Melting Point	143 °C	289 °F	
Deflection Temperature at 0.46 MPa (66 psi)	60.0 °C	140 °F	

Thermal Properties <small>Deflection Temperature at 1.8 MPa (204 psi)</small>	Metric	English	Comments
Vicat Softening Point	60.0 °C	140 °F	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	$\geq 1.00 \times 10^{15}$ ohm-cm	$\geq 1.00 \times 10^{15}$ ohm-cm	
Surface Resistance	$1.00 \times 10^{14}$ ohm	$1.00 \times 10^{14}$ ohm	
Dielectric Constant	2.3 @Frequency 1e+6 Hz	2.3 @Frequency 1e+6 Hz	
Dielectric Strength	140 kV/mm	3560 kV/in	
Dissipation Factor	0.000070 @Frequency 100 Hz	0.000070 @Frequency 100 Hz	
	0.00020 @Frequency 1e+6 Hz	0.00020 @Frequency 1e+6 Hz	
Comparative Tracking Index	600 V	600 V	

## Contact Songhan Plastic Technology Co.,Ltd.

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