

## Eurotec® Tecotek® PC30 NL VB03 PC, unfilled, UV stabilized, high impact, natural

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Impact Modified , Polycarbonate, UV Stabilized

### Material Notes:

Information provided by Eurotec®

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Eurotec-Tecotek-PC30-NL-VB03-PC-unfilled-UV-stabilized-high-impact-natural.php](http://www.lookpolymers.com/polymer_Eurotec-Tecotek-PC30-NL-VB03-PC-unfilled-UV-stabilized-high-impact-natural.php)

Physical Properties	Metric	English	Comments
Density	1.21 g/cc	0.0437 lb/in <sup>3</sup>	ISO 1183
Moisture Absorption	0.200 % @Temperature 23.0 °C	0.200 % @Temperature 73.4 °F	50% RH; ISO 960
Linear Mold Shrinkage, Flow	0.0080 cm/cm	0.0080 in/in	Eurotec
Linear Mold Shrinkage, Transverse	0.0080 cm/cm	0.0080 in/in	Eurotec

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	55.0 MPa	7980 psi	ISO 527
Elongation at Break	>= 50 %	>= 50 %	ISO 527
Tensile Modulus	2.25 GPa	326 ksi	ISO 527
Izod Impact, Notched (ISO)	25.0 kJ/m <sup>2</sup> @Temperature -30.0 °C	11.9 ft-lb/in <sup>2</sup> @Temperature -22.0 °F	ISO 180/1A
	55.0 kJ/m <sup>2</sup> @Temperature 23.0 °C	26.2 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 180/1A
Izod Impact, Unnotched (ISO)	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	ISO 180/1U
	NB @Temperature -30.0 °C	NB @Temperature -22.0 °F	ISO 180/1U

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	120 °C	248 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	95.0 °C	203 °F	ISO 75
	125 °C	257 °F	

Vicat Softening Point Thermal Properties	Metric @Load 5.10 kg	English @Load 11.2 lb	ISO 306 Comments
Flammability, UL94	HB	HB	
	@Thickness 0.750 mm	@Thickness 0.0295 in	
	HB	HB	
	@Thickness 1.60 mm	@Thickness 0.0630 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	IEC 60093
Surface Resistance	1.00e+15 ohm	1.00e+15 ohm	IEC 60093

Processing Properties	Metric	English	Comments
Processing Temperature	260 - 280 °C	500 - 536 °F	
Feed Temperature	60.0 - 80.0 °C	140 - 176 °F	Throat
Mold Temperature	80.0 - 100 °C	176 - 212 °F	
Drying Temperature	110 °C	230 °F	
Dry Time	3.00 - 4.00 hour	3.00 - 4.00 hour	
Moisture Content	<= 0.10 %	<= 0.10 %	ISO 960
Hold Pressure	50.0 - 100 MPa	7250 - 14500 psi	

Descriptive Properties	Value	Comments
Back Pressure	Low	
Injection Speed	Medium - Fast	

## Contact Songhan Plastic Technology Co.,Ltd.

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