

Product Texts

Zytel® HTN330 NC010 is an unreinforced, transparent high performance polyamide resin. It is also a PPA resin.

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	0.5 / *	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	0.5 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	2800 / -	MPa	ISO 527
^[C] Yield stress	95 / -	MPa	ISO 527
^[C] Yield strain	5 / -	%	ISO 527
^[C] Charpy impact strength, +23°C	180 / -	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	180 / -	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	6 / -	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	4.5 / -	kJ/m ²	ISO 179/1eA
^[C] Puncture - maximum force, +23°C	5000 / -	N	ISO 6603-2
^[C] Puncture energy, +23°C	60 / -	J	ISO 6603-2

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Glass transition temperature, 10°C/min	140 / *	°C	ISO 11357-1/-2
^[C] Temp. of deflection under load, 1.80 MPa	123 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	127 / *	°C	ISO 75-1/-2
^[C] Coeff. of linear therm. expansion, parallel	62 / *	E-6/K	ISO 11359-1/-2
^[C] Coeff. of linear therm. expansion, normal	60 / *	E-6/K	ISO 11359-1/-2
^[C] Burning Behav. at thickness h	V-2 / *	class	IEC 60695-11-10
Thickness tested	0.9 / *	mm	-
Yellow Card available	yes / *	-	-

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Relative permittivity, 1MHz	3.7 / 3.8	-	IEC 62631-2-1
^[C] Dissipation factor, 1MHz	200 / 200	E-4	IEC 62631-2-1
^[C] Volume resistivity	1E13 / 1E13	Ohm*m	IEC 62631-3-1
^[C] Electric strength	29 / 28	kV/mm	IEC 60243-1
^[C] Comparative tracking index	600 / -	-	IEC 60112

[C]: CAMPUS

Optical properties	Value	Unit	Test Standard
ISO Data			
^[C] Luminous transmittance	88	%	ISO 13468-1, -2

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	9.6 / *	%	Sim. to ISO 62
^[C] Humidity absorption	4 / *	%	Sim. to ISO 62
^[C] Density	1180 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding

Special Characteristics

Transparent

Delivery form

Pellets

Regional Availability

Europe, Asia Pacific