

DuPont Performance Polymers Zytel® 7331J NC010 Nylon 6 (Unverified Data**)

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

Zytel® 7331J NC010 is lubricated fast cycling PA6 resin for injection molding. Information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Zytel-7331J-NC010-Nylon-6-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	DAM; ISO 1183

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	80.0 MPa @Temperature 23.0 °C	11600 psi @Temperature 73.4 °F	DAM; ISO 527
Elongation at Break	40 % @Temperature 23.0 °C	40 % @Temperature 73.4 °F	50mm/min; DAM; ISO 527
Elongation at Yield	4.0 % @Temperature 23.0 °C	4.0 % @Temperature 73.4 °F	DAM; ISO 527
Tensile Modulus	2.90 GPa @Temperature 23.0 °C	421 ksi @Temperature 73.4 °F	DAM; ISO 527
Flexural Modulus	2.70 GPa @Temperature 23.0 °C	392 ksi @Temperature 73.4 °F	DAM; ISO 178
Charpy Impact, Notched	0.500 J/cm ² @Temperature 23.0 °C	2.38 ft-lb/in ² @Temperature 73.4 °F	DAM; ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	221 °C	430 °F	10°C/min; DAM; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	155 °C	311 °F	DAM; ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	60.0 °C	140 °F	DAM; ISO 75-1/-2
Flammability, UL94	V-2 @Thickness 6.00 mm	V-2 @Thickness 0.236 in	DAM; IEC 60695-11-10
	V-2	V-2	DAM; IEC 60695-11-10

Thermal Properties	@Thickness 3.00 mm Metric	@Thickness 0.118 in English	Comments
	V-2	V-2	DAM; IEC 60695-11-10
	@Thickness 0.750 mm	@Thickness 0.0295 in	
	V-2	V-2	DAM; IEC 60695-11-10
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	V-2	V-2	DAM; UL94
	@Thickness 0.750 mm	@Thickness 0.0295 in	
	V-2	V-2	DAM; UL94
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	V-2	V-2	DAM; UL94
	@Thickness 3.00 mm	@Thickness 0.118 in	
	V-2	V-2	DAM; UL94
	@Thickness 6.00 mm	@Thickness 0.236 in	

Processing Properties	Metric	English	Comments
Melt Temperature	260 - 280 °C	500 - 536 °F	DAM
Mold Temperature	50.0 - 90.0 °C	122 - 194 °F	DAM
Drying Temperature	80.0 °C	176 °F	DAM
Dry Time	2.00 - 4.00 hour	2.00 - 4.00 hour	DAM
Moisture Content	<= 0.20 %	<= 0.20 %	DAM

Descriptive Properties	Value	Comments
Forms	Pellets	DAM
Generic	Nylon 6	DAM
Material Status	Preliminary Data	DAM
Part Marking Code	>PA6<	ISO 11469; DAM
Processing Method	Injection Molding	DAM
Product Category	Unreinforced Resins	DAM
Resin Identification	PA6	ISO 1043; DAM
RoHS Compliance	Contact Manufacturer	DAM

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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