

DuPont Performance Polymers Zytel® FGFE5171 NC010C Nylon 66 (Unverified Data**)

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 30% Glass Fiber Filled

Material Notes:

Zytel® FGFE5171 NC010C is a 33% glass filled nylon 66 resin. It has been developed for consideration into applications such as parts for the food industry. Information provided by DuPont Performance Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_DuPont-Performance-Polymers-Zytel-FGFE5171-NC010C-Nylon-66-nbspUnverified-Data.php

Physical Properties	Metric	English	Comments
Density	1.39 g/cc	0.0502 lb/in ³	DAM; ISO 1183
Filler Content	33 %	33 %	DAM

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	200 MPa @Temperature 23.0 °C	29000 psi @Temperature 73.4 °F	DAM; ISO 527
Elongation at Break	3.5 % @Temperature 23.0 °C	3.5 % @Temperature 73.4 °F	DAM; ISO 527
Tensile Modulus	10.5 GPa @Temperature 23.0 °C	1520 ksi @Temperature 73.4 °F	DAM; ISO 527
Flexural Strength	290 MPa @Temperature 23.0 °C	42100 psi @Temperature 73.4 °F	DAM; ISO 178
Flexural Modulus	9.30 GPa @Temperature 23.0 °C	1350 ksi @Temperature 73.4 °F	DAM; ISO 178
Charpy Impact, Notched	1.00 J/cm ² @Temperature 23.0 °C	4.76 ft-lb/in ² @Temperature 73.4 °F	DAM; ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	263 °C	505 °F	10°C/min; DAM; ISO 11357-1/-3
Deflection Temperature at 1.8 MPa (264 psi)	252 °C	486 °F	DAM; ISO 75-1/-2

Processing Properties	Metric	English	Comments
Melt Temperature	285 - 305 °C	545 - 581 °F	DAM

Mold Temperature Processing Properties	70.0 - 120 °C Metric	158 - 248 °F English	DAM Comments
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
Appearance	Natural Color	DAM
Features	Food Contact Acceptable	DAM
Filler	Glass Reinforced	DAM
Forms	Pellets	DAM
Generic	Nylon 66	DAM
Material Status	Current	DAM
Part Marking Code	>PA66-GF33<	ISO 11469; DAM
Processing Method	Injection Molding	DAM
Product Category	Food Contact Resins	DAM
	Glass Reinforced Resins	DAM
Region Available - Global	Yes	DAM
Resin Identification	PA66-GF33	ISO 1043; DAM
RoHS Compliance	Contact Manufacturer	DAM
Uses	Food Applications, Non-specific	DAM
	Food Applications, Non-specific	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