

Wellman Wellamid® T-731E-BK 10% Reinforced Abrasion Resistant Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

Description: Abrasion Resistant Nylon 6 Information provided by Wellman.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Wellman-Wellamid-T-731E-BK-10-Reinforced-Abrasion-Resistant-Nylon-6.php

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in ³	ISO 1183-87
Filler Content	10 %	10 %	
Linear Mold Shrinkage, Flow	0.0155 - 0.0175 cm/cm	0.0155 - 0.0175 in/in	ISO DIS 294-4
Linear Mold Shrinkage, Transverse	0.014 - 0.016 cm/cm	0.014 - 0.016 in/in	ISO DIS 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	65.0 MPa	9430 psi	ISO 527-93
Elongation at Break	30 %	30 %	ISO 527-93
Flexural Strength	90.0 MPa	13100 psi	ISO 178-93
Flexural Modulus	2.60 GPa	377 ksi	ISO 178-93
Izod Impact, Notched (ISO)	7.50 kJ/m ²	3.57 ft-lb/in ²	ISO 180-93

Thermal Properties	Metric	English	Comments
Melting Point	220 °C	428 °F	ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	55.0 °C	131 °F	ISO 75-93

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	277 - 293 °C	530 - 560 °F	
Middle Barrel Temperature	271 - 288 °C	520 - 550 °F	
Front Barrel Temperature	266 - 282 °C	510 - 540 °F	
Nozzle Temperature	254 - 293 °C	490 - 560 °F	
Melt Temperature	271 - 293 °C	520 - 560 °F	
Mold Temperature	71.1 - 93.3 °C	160 - 200 °F	

Drying Temperature Processing Properties	79.4 °C Metric	175 °F English	Opened bags and gaylord boxes Comments
Dry Time	2 - 4 hour	2 - 4 hour	Opened bags and gaylord boxes
Moisture Content	0.050 - 0.20 %	0.050 - 0.20 %	During molding to prevent hydrolytic degradation
	<= 0.20 %	<= 0.20 %	In shipping bags, ready to mold
Injection Pressure	34.5 - 138 MPa	5000 - 20000 psi	
Back Pressure	0.345 MPa	50.0 psi	
Screw Speed	30 - 120 rpm	30 - 120 rpm	

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