

Lanxess Durethan® BKV 30 FN00 000000 Nylon 6, 30% Glass Fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 30% Glass Fiber Filled , Nylon 6, Glass Fiber Filled, Flame Retardant

Material Notes:

PA6, injection molding grade, 30% glass fibers, UL94 V-0 at 0,75 mm , free of halogen and red phosphorus, glow wire flammability test max. 960°C

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lanxess-Durethan-BKV-30-FN00-000000-Nylon-6-30-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.427 g/cc	0.05155 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0022 cm/cm	0.0022 in/in	ISO 294-4, 2577
Linear Mold Shrinkage, Transverse	0.0062 cm/cm	0.0062 in/in	ISO 294-4, 2577
Melt Flow	33 g/10 min @Load 2.16 kg, Temperature 260 °C	33 g/10 min @Load 4.76 lb, Temperature 500 °F	Estimated using room temperature density; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	90.0 MPa	13100 psi	Conditioned; ISO 527-1/-2
	150 MPa	21800 psi	ISO 527-1/-2
Elongation at Break	3.0 %	3.0 %	ISO 527-1/-2
	6.1 %	6.1 %	Conditioned; ISO 527-1/-2
Tensile Modulus	6.70 GPa	972 ksi	Conditioned; ISO 527-1/-2
	10.8 GPa	1570 ksi	ISO 527-1/-2
Charpy Impact Unnotched	6.00 J/cm ² @Temperature 23.0 °C	28.6 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eU
	6.50 J/cm ² @Temperature 23.0 °C	30.9 ft-lb/in ² @Temperature 73.4 °F	Conditioned; ISO 179/1eU
Charpy Impact, Notched	<= 1.00 J/cm ² @Temperature -30.0 °C	<= 4.76 ft-lb/in ² @Temperature -22.0 °F	ISO 179/1eA
	<= 1.00 J/cm ² @Temperature 23.0	<= 4.76 ft-lb/in ²	ISO 179/1eA

Mechanical Properties	°C Metric	@Temperature 73.4 °F English	Comments
Thermal Properties			
	Metric	English	Comments
CTE, linear, Parallel to Flow	22.0 Åµm/m-Å°C	12.2 Åµin/in-Å°F	ISO 11359-1/-2
CTE, linear, Transverse to Flow	81.0 Åµm/m-Å°C	45.0 Åµin/in-Å°F	ISO 11359-1/-2
Melting Point	224 Å°C	435 Å°F	10Å°C/min; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	218 Å°C	424 Å°F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	204 Å°C	399 Å°F	ISO 75-1/-2
Flammability, UL94	V-0	V-0	IEC 60695-11-10
	V-0	V-0	IEC 60695-11-10
	@Thickness 0.750 mm	@Thickness 0.0295 in	
	5VA	5VA	IEC 60695-11-20
	@Thickness 1.60 mm	@Thickness 0.0630 in	

Electrical Properties	Metric	English	Comments
Dielectric Strength	36.7 kV/mm	932 kV/in	IEC 60243-1
Comparative Tracking Index	600 V	600 V	IEC 60112

Descriptive Properties	Value	Comments
Form	Pellets	
ISO Shortname	ISO 1874-PA 6,MFR,14-110, GF30	
Processing	Injection molding	
Region	Asia Pacific	
	Europe	
	Near East/Africa	
	North America	
	South and Central America	

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