

Lanxess Durethan® BKV 130 H3.0 101006 Copolyamide, 30% Glass Fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 6

Material Notes:

CoPA, injection molding grade, 30% glass fibers, elastomer-modified, electroplateable, higher notched impact strength and also higher energy absorption under biaxial impact load than BKV 30 H3.0, even in the dry state, good heat-ageing resistance

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lanxess-Durethan-BKV-130-H30-101006-Copolyamide-30-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.36 g/cc	0.0491 lb/in ³	ISO 1183
Water Absorption	7.0 %	7.0 %	Test Sim. to ISO 62
Moisture Absorption at Equilibrium	2.0 %	2.0 %	23 ^o C/50% R.H.; Test Sim. to ISO 62
Viscosity Test	134 cm ³ /g	134 cm ³ /g	Viscosity number; ISO 307, 1157, 1628
Melt Flow	15 g/10 min @Load 5.00 kg, Temperature 260 ^o C	15 g/10 min @Load 11.0 lb, Temperature 500 ^o F	Estimated using room temperature density; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	100 MPa	14500 psi	Conditioned; ISO 527-1/-2
	160 MPa	23200 psi	ISO 527-1/-2
Elongation at Break	4.0 %	4.0 %	ISO 527-1/-2
	7.0 %	7.0 %	Conditioned; ISO 527-1/-2
Tensile Modulus	5.20 GPa	754 ksi	Conditioned; ISO 527-1/-2
	9.00 GPa	1310 ksi	ISO 527-1/-2
Charpy Impact Unnotched	8.00 J/cm ² @Temperature -30.0 ^o C	38.1 ft-lb/in ² @Temperature -22.0 ^o F	ISO 179/1eU
	8.00 J/cm ² @Temperature -30.0 ^o C	38.1 ft-lb/in ² @Temperature -22.0 ^o F	Conditioned; ISO 179/1eU
	9.50 J/cm ² @Temperature 23.0 ^o C	45.2 ft-lb/in ² @Temperature 73.4 ^o F	ISO 179/1eU

Mechanical Properties	11.0 J/cmÂ² Metric	52.3 ft-lb/inÂ² English	Comments Conditioned; ISO 179/1eU
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Charpy Impact, Notched	1.00 J/cmÂ²	4.76 ft-lb/inÂ²	ISO 179/1eA
	@Temperature -30.0 Â°C	@Temperature -22.0 Â°F	
	1.00 J/cmÂ²	4.76 ft-lb/inÂ²	Conditioned; ISO 179/1eA
	@Temperature -30.0 Â°C	@Temperature -22.0 Â°F	
	1.80 J/cmÂ²	8.57 ft-lb/inÂ²	ISO 179/1eA
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	2.80 J/cmÂ²	13.3 ft-lb/inÂ²	Conditioned; ISO 179/1eA
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Puncture Energy	10.0 J	7.38 ft-lb	ISO 6603-2
	15.0 J	11.1 ft-lb	Conditioned; ISO 6603-2
	7.00 J	5.16 ft-lb	ISO 6603-2
	@Temperature -30.0 Â°C	@Temperature -22.0 Â°F	
	7.00 J	5.16 ft-lb	Conditioned; ISO 6603-2
	@Temperature -30.0 Â°C	@Temperature -22.0 Â°F	
Tensile Creep Modulus, 1 hour	4200 MPa	609000 psi	ISO 899-1
Tensile Creep Modulus, 1000 hours	3300 MPa	479000 psi	ISO 899-1

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	20.0 Âµm/m-Â°C	11.1 Âµin/in-Â°F	ISO 11359-1/-2
CTE, linear, Transverse to Flow	90.0 Âµm/m-Â°C	50.0 Âµin/in-Â°F	ISO 11359-1/-2
Melting Point	213 Â°C	415 Â°F	10Â°C/min; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	210 Â°C	410 Â°F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	200 Â°C	392 Â°F	ISO 75-1/-2
Deflection Temperature at 8.0 MPa	90.0 Â°C	194 Â°F	ISO 75-1/-2
	HB	HB	

Thermal Properties	Metric @ Thickness 1.60 mm	English @ Thickness 0.0630 in	Comments
	HB	HB	IEC 60695-11-10
	@Thickness 3.20 mm	@Thickness 0.126 in	
Oxygen Index	22 %	22 %	ISO 4589-1/-2

Descriptive Properties	Value	Comments
Features	Heat stabilized or stable to heat	
	High impact or high impact modified	
Form	Pellets	
ISO Shortname	ISO 1874-PA 6/66-I, MHR, 14-090, 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