

Lanxess Durethan® DP AKV 30 X HR EF 900116 Nylon 66, 30% Glass Fiber

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

Material Notes:

PA 66, injection molding grade, 30% glass fibers, hydrolysis and good heat-ageing resistance, good flowability (Easy Flow)

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lanxess-Durethan-DP-AKV-30-X-HR-EF-900116-Nylon-66-30-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.324 g/cc	0.04783 lb/in ³	ISO 1183
Water Absorption	5.9 %	5.9 %	Test Sim. to ISO 62
Linear Mold Shrinkage, Flow	0.0043 cm/cm	0.0043 in/in	ISO 294-4, 2577
Linear Mold Shrinkage, Transverse	0.0082 cm/cm	0.0082 in/in	ISO 294-4, 2577
Melt Flow	42 g/10 min @Load 5.00 kg, Temperature 290 °C	42 g/10 min @Load 11.0 lb, Temperature 554 °F	Estimated using room temperature density; ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	85.0 MPa	12300 psi	Conditioned; ISO 527-1/-2
	135 MPa	19600 psi	ISO 527-1/-2
Elongation at Break	3.5 %	3.5 %	ISO 527-1/-2
	8.5 %	8.5 %	Conditioned; ISO 527-1/-2
Tensile Modulus	4.50 GPa	653 ksi	Conditioned; ISO 527-1/-2
	8.00 GPa	1160 ksi	ISO 527-1/-2
Charpy Impact Unnotched	7.50 J/cm ² @Temperature 23.0 °C	35.7 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eU
	8.00 J/cm ² @Temperature 23.0 °C	38.1 ft-lb/in ² @Temperature 73.4 °F	Conditioned; ISO 179/1eU

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	30.0 µm/m-°C	16.7 µin/in-°F	ISO 11359-1/-2
CTE, linear, Transverse to Flow	90.0 µm/m-°C	50.0 µin/in-°F	ISO 11359-1/-2

Melting Point Thermal Properties	263 Â°C Metric	505 Â°F English	10Â°C/min: ISO 11357-1/-3 Comments
Deflection Temperature at 0.46 MPa (66 psi)	>= 250 Â°C	>= 482 Â°F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	235 Â°C	455 Â°F	ISO 75-1/-2

Descriptive Properties	Value	Comments
Features	Heat stabilized or stable to heat	
Form	Pellets	
Processing	Injection molding	
Region	Asia Pacific	
	Europe	
	Near East/Africa	
	North America	
	South and Central America	

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