

Lanxess Durethan® DP AKV 35 LT H2.0 904040 Nylon 66, 35% Glass Fiber

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 40% Glass Fiber Filled

Material Notes:

PA 66, injection molding grade, 35% glass fibers, black colored for laser transmission- welding (laser-transparent), good heat-ageing resistance

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lanxess-Durethan-DP-AKV-35-LT-H20-904040-Nylon-66-35-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.40 g/cc	0.0506 lb/in ³	ISO 1183
Moisture Absorption at Equilibrium	2.1 %	2.1 %	23°C/50% R.H.; Test Sim. to ISO 62
Linear Mold Shrinkage, Flow	0.0031 cm/cm	0.0031 in/in	ISO 294-4, 2577
Linear Mold Shrinkage, Transverse	0.0068 cm/cm	0.0068 in/in	ISO 294-4, 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	119 MPa	17300 psi	Conditioned; ISO 527-1/-2
	192 MPa	27800 psi	ISO 527-1/-2
Elongation at Break	3.0 %	3.0 %	ISO 527-1/-2
	5.7 %	5.7 %	Conditioned; ISO 527-1/-2
Tensile Modulus	7.50 GPa	1090 ksi	Conditioned; ISO 527-1/-2
	10.8 GPa	1570 ksi	ISO 527-1/-2
Charpy Impact Unnotched	7.00 J/cm ²	33.3 ft-lb/in ²	ISO 179/1eU
	@Temperature 23.0 °C	@Temperature 73.4 °F	
	8.00 J/cm ²	38.1 ft-lb/in ²	Conditioned; ISO 179/1eU
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	2.00 µm/m-°C	1.11 µin/in-°F	ISO 11359-1/-2
CTE, linear, Transverse to Flow	7.00 µm/m-°C	3.89 µin/in-°F	ISO 11359-1/-2
Deflection Temperature at 0.46 MPa (66 psi)	>= 250 °C	>= 482 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	235 °C	455 °F	ISO 75-1/-2

Descriptive Properties	Value	Comments
Form	Pellets	
Processing	Injection molding	
Region	Asia Pacific	
	Europe	
	Near East/Africa	
	North America	
	South and Central America	

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