

Lanxess Durethan® DP BC 310 EF 600065 Nylon 6

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, Extruded , Nylon 6, Unreinforced

Material Notes:

PA 6, injection molding and extrusion grade, non-reinforced, elastomer modified, high impact strength, good flowability (Easy Flow)

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lanxess-Durethan-DP-BC-310-EF-600065-Nylon-6.php

Physical Properties	Metric	English	Comments
Density	1.117 g/cc	0.04035 lb/in ³	ISO 1183
Water Absorption	7.4 %	7.4 %	Test Sim. to ISO 62
Linear Mold Shrinkage, Flow	0.0080 cm/cm	0.0080 in/in	ISO 294-4, 2577
Linear Mold Shrinkage, Transverse	0.0011 cm/cm	0.0011 in/in	ISO 294-4, 2577

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	50.0 MPa	7250 psi	ISO 527-1/-2
Elongation at Yield	3.8 %	3.8 %	ISO 527-1/-2
Tensile Modulus	0.790 GPa	115 ksi	Conditioned; ISO 527-1/-2
	2.30 GPa	334 ksi	ISO 527-1/-2
Charpy Impact Unnotched	19.5 J/cm ² @Temperature 23.0 °C	92.8 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eU
	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	Conditioned; ISO 179/1eU

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	80.0 µm/m-°C	44.4 µin/in-°F	ISO 11359-1/-2
CTE, linear, Transverse to Flow	140 µm/m-°C	77.8 µin/in-°F	ISO 11359-1/-2
Melting Point	220 °C	428 °F	10°C/min; ISO 11357-1/-3
Deflection Temperature at 0.46 MPa (66 psi)	158 °C	316 °F	ISO 75-1/-2
Deflection Temperature at 1.8 MPa (264 psi)	63.0 °C	145 °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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