

Beijing Evergrow Resources Enylon®

Category : Polymer , Thermoplastic , Nylon

Material Notes:

Information provided by Beijing Evergrow Resources.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Beijing-Evergrow-Resources-Enylon.php

Physical Properties	Metric	English	Comments
Density	1.15 g/cc	0.0415 lb/in ³	GB1033

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80 - 85	80 - 85	GB3398
Ball Indentation Hardness	142.4 MPa	20650 psi	GB3398
Tensile Strength at Break	69.5 MPa	10100 psi	GB/T 1040
Elongation at Yield	22 %	22 %	GB/T 1040
Modulus of Elasticity	3.30 GPa	479 ksi	GB/T 1040
Flexural Strength	86.9 MPa	12600 psi	GB9341
Compressive Strength	85.0 - 100 MPa	12300 - 14500 psi	GB/T 1040
Izod Impact, Notched (ISO)	9.60 kJ/m ²	4.57 ft-lb/in ²	GBT1043
Coefficient of Friction	0.131	0.131	GB3360

Thermal Properties	Metric	English	Comments
CTE, linear	75.0 µm/m-°C	41.7 µin/in-°F	GB1036
Melting Point	223 °C	433 °F	HG/T2235
Heat Distortion Temperature	120 °C	248 °F	GB1634

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	Volume; GB1410
Arc Resistance	600 sec	600 sec	ASTM D112

Processing Properties	Metric	English	Comments
Moisture Content	2.0 - 2.2 %	2.0 - 2.2 %	in air

Processing Properties	6.6-6.8 % Metric	6.6-6.8 % English	in water Comments
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