

## Beijing Evergrow Resources Oilon

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-Oilon.php](http://www.lookpolymers.com/polymer_Beijing-Evergrow-Resources-Oilon.php)

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

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80 - 85	80 - 85	GB3398
Ball Indentation Hardness	150 MPa	21800 psi	GB3398
Tensile Strength at Break	75.3 MPa	10900 psi	GB/T 1040
Elongation at Yield	22.7 %	22.7 %	GB/T 1040
Modulus of Elasticity	3.13 GPa	454 ksi	GB/T 1040
Flexural Strength	90.7 MPa	13200 psi	GB9341
Compressive Strength	85.0 - 100 MPa	12300 - 14500 psi	GB/T 1040
Izod Impact, Notched (ISO)	6.40 kJ/m <sup>2</sup>	3.05 ft-lb/in <sup>2</sup>	GBT1043
Coefficient of Friction	0.113	0.113	GB3360

Thermal Properties	Metric	English	Comments
CTE, linear	75.0 $\mu\text{m}/\text{m}\cdot\text{C}$	41.7 $\mu\text{in}/\text{in}\cdot\text{F}$	GB1036
Melting Point	223 $^{\circ}\text{C}$	433 $^{\circ}\text{F}$	HG/T2235
Heat Distortion Temperature	125 $^{\circ}\text{C}$	257 $^{\circ}\text{F}$	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	1.8 - 2.0 %	1.8 - 2.0 %	in air

Processing Properties	6.3 - 6.5 % Metric	6.3 - 6.5 % English	in water Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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