

## E-Polymers TEKAMID® TB120L NCR , High Crystallinity PA6, DAM

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

### Material Notes:

Precise injection, high crystallinity Information provided by E-Polymers Co. Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_E-Polymers-TEKAMID-TB120L-NCR-High-Crystallinity-PA6-DAM.php](http://www.lookpolymers.com/polymer_E-Polymers-TEKAMID-TB120L-NCR-High-Crystallinity-PA6-DAM.php)

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in <sup>3</sup>	ASTM D792
Water Absorption	1.7 %	1.7 %	23°C/24 hr; ASTM D570
Linear Mold Shrinkage	0.014 cm/cm	0.014 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D786
Tensile Strength, Yield	77.0 MPa	11200 psi	ASTM D638
Elongation at Break	80 %	80 %	ASTM D638
Flexural Yield Strength	110 MPa	16000 psi	ASTM D790
Flexural Modulus	2.70 GPa	392 ksi	ASTM D790
Izod Impact, Notched	0.400 J/cm	0.749 ft-lb/in	ASTM D256
Izod Impact, Unnotched	NB @Thickness 3.20 mm	NB @Thickness 0.126 in	ASTM D256

Thermal Properties	Metric	English	Comments
CTE, linear	80.0 µm/m-°C @Temperature 20.0 °C	44.4 µin/in-°F @Temperature 68.0 °F	ASTM D696
Melting Point	220 °C	428 °F	ASTM D2133
Deflection Temperature at 0.46 MPa (66 psi)	175 °C	347 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	60.0 °C	140 °F	ASTM D648
Flammability, UL94	HB	HB	

Electrical Properties	Metric	English	Comments
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Arc Resistance Electrical Properties	195 sec Metric	195 sec English	Tungsten electrode; ASTM D495 Comments
Processing Properties	Metric	English	Comments
Processing Temperature	230 - 250 °C	446 - 482 °F	
Mold Temperature	40.0 - 60.0 °C	104 - 140 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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