

E-Polymers TEKAMID® TA210MS MoS2 Filled PA66 Resin

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, MoS2 Filled

Material Notes:

Polyamide (Nylon) Resin. TEKAMID is widely being used in manufacturing of automotive and industrial parts with its outstanding mechanical, thermal and chemical properties. T-series: Impact modified, Super tough products. Information Provided by E-Polymers Co., Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_E-Polymers-TEKAMID-TA210MS-MoS2-Filled-PA66-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.45 g/cc	1.45 g/cc	ASTM D792
Water Absorption	1.2 % @Time 86400 sec	1.2 % @Time 24.0 hour	
Linear Mold Shrinkage	0.013 cm/cm	0.013 in/in	

Mechanical Properties	Metric	English	Comments
Tensile Strength	105 MPa	15200 psi	ASTM D638
Elongation at Break	15 %	15 %	ASTM D638
Flexural Strength	177 MPa	25700 psi	ASTM D790
Flexural Modulus	3.92 GPa	569 ksi	ASTM D790
Izod Impact, Notched	0.539 J/cm	1.01 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	260 °C	500 °F	ASTM D2133
Deflection Temperature at 0.46 MPa (66 psi)	235 °C	455 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	120 °C	248 °F	ASTM D648
Flammability, UL94	HB	HB	

Processing Properties	Metric	English	Comments
Melt Temperature	270 - 290 °C	518 - 554 °F	
Mold Temperature	40.0 - 60.0 °C	104 - 140 °F	

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