

Asia International Enterprise (Hong Kong) 6010FEN Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66

Material Notes:

Information provided by Asia International Enterprise (Hong Kong) Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Asia-International-Enterprise-Hong-Kong-6010FEN-Nylon-66.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.15 g/cc	1.15 g/cc	ASTM D792
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Filler Content	0.00 %	0.00 %	
Linear Mold Shrinkage	0.0090 - 0.017 cm/cm	0.0090 - 0.017 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	120	120	ASTM D785
Tensile Strength, Ultimate	78.5 MPa	11400 psi	5mm/min; ASTM D638
Elongation at Break	30 %	30 %	5mm/min; ASTM D638
Flexural Strength	123 MPa	17800 psi	2.8mm/min; ASTM D790
Flexural Modulus	3.43 GPa	498 ksi	2.8mm/min; ASTM D790
Izod Impact, Notched	0.490 J/cm	0.918 ft-lb/in	ASTM D256
	@Thickness 3.17 mm, Temperature 23.0 °C	@Thickness 0.125 in, Temperature 73.4 °F	

Thermal Properties	Metric	English	Comments
Melting Point	261 °C	502 °F	ASTM D789
Deflection Temperature at 1.8 MPa (264 psi)	70.0 °C	158 °F	ASTM D648
Flammability, UL94	V-0	V-0	
	@Thickness 0.750 mm	@Thickness 0.0295 in	

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	250 - 300 °C	482 - 572 °F	Cylinder Temperature
Mold Temperature	50.0 - 90.0 °C	122 - 194 °F	

Drying Temperature Processing Properties	80.0 - 90.0 °C Metric	176 - 194 °F English	Comments
Dry Time	4 - 6 hour	4 - 6 hour	

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