

Isoflon PAI Polyamideimide

Category : Polymer , Thermoplastic , Polyamide-imide (PAI) , Polyamide-Imide, Extruded

Material Notes:

Materials with strong mechanical and electrical performances under high temperatures. Information provided by Isoflon.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Isoflon-PAI-Polyamideimide.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.40 g/cc	1.40 g/cc	DIN 53479
Water Absorption	0.33 %	0.33 %	ASTM D570

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell E	86	86	ASTM D785
Tensile Strength	192 MPa	27800 psi	DIN 53455
Elongation at Break	15 %	15 %	DIN 53455
Tensile Modulus	4.90 GPa	711 ksi	DIN 53457

Thermal Properties	Metric	English	Comments
CTE, linear	36.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	20.0 $\mu\text{in}/\text{in}\cdot\text{°F}$	DIN 52328
Thermal Conductivity	0.260 W/m-K	1.80 BTU-in/hr-ft ² -°F	DIN 52612
Maximum Service Temperature, Air	260 °C	500 °F	Continuous; DIN 52612
Deflection Temperature at 1.8 MPa (264 psi)	278 °C	532 °F	
Flammability, UL94	V-0 @Thickness 1.17 mm	V-0 @Thickness 0.0461 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	DIN 53482
Dielectric Constant	4.2 @Frequency 1000 Hz	4.2 @Frequency 1000 Hz	DIN 53483
Dielectric Strength	23.0 - 25.0 kV/mm	584 - 635 kV/in	DIN 53481

Descriptive Properties	Value	Comments
------------------------	-------	----------

Color Descriptive Properties	Khaki Value	Comments
---------------------------------	----------------	----------

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China