

Ensinger Sintimid™ ESD 23 Polyamide-imide (PAI) (discontinued **)

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

Material Notes:

SINTIMID™ ESD 23 has the highest compressive strength and use temperature of the group. It is based on an Ensinger-Hyde manufactured polyamide-imide resin with a low sloughing, additive package. Information Provided by Ensinger Industries, Inc. Sintimid has been replaced with Tecasint in the Ensinger product line.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Ensinger-Sintimid-ESD-23-Polyamide-imide-PAI-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.42 g/cc	1.42 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	93	93	ASTM D2240
Tensile Strength, Yield	84.8 MPa	12300 psi	ASTM D638
Elongation at Break	2.7 %	2.7 %	ASTM D638
Tensile Modulus	4.00 GPa	580 ksi	ASTM D638
Flexural Strength	134 MPa	19500 psi	ASTM D790
Compressive Strength	240 MPa	34800 psi	ASTM D695

Thermal Properties	Metric	English	Comments
CTE, linear	40.5 µm/m-°C	22.5 µin/in-°F	
Maximum Service Temperature, Air	313 °C	595 °F	continuous
Deflection Temperature at 1.8 MPa (264 psi)	316 °C	600 °F	ASTM D648
Flammability, UL94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	1.00e+8 - 1.00e+11 ohm	1.00e+8 - 1.00e+11 ohm	ASTM D257

Descriptive Properties	Value	Comments
Base Material	PAI	

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