TECASINT™ 5201

Polyamide-imide

Ensinger Inc.

Message:

In recent years, industry has demanded a range of materials that not only possess strength, wear properties, heat and chemical resistance but materials that are less resistive to the build-up of a static charge. Ensinger has a family of such materials; their properties are listed on the reverse side of this sheet and described below.
TECASINT™ 5201 has the highest compressive strength and use temperature of the group. It is based on an Ensinger manufactured polyamide imide resin with a low sloughing, additive package.

General Information			
Additive	Unspecified additive		
Features	Good strength Good chemical resistance Good wear resistance		
Forms	Shapes		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.54	g/cm³	ASTM D792
Water Absorption (Equilibrium)	0.47	%	ASTM D570
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness	93		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	4000	MPa	ASTM D638
Tensile Strength (Break)	84.8	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Strength	134	MPa	ASTM D790
Compressive Strength	240	MPa	ASTM D695
Thermal	**Nominal Value**	**Unit**	**Test Method**
Continuous Use Temperature	313	°C	
CLTE - Flow	4.1E-5	cm/cm/°C	ASTM D696
Heat Deflection Temperature	316	°C	ASTM D648
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	1.0E+9 - 1.0E+12	ohms	ASTM D257
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating	V-0		UL 94
Additional Information			

Data obtained from extruded shapes material.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China