

LUPOY GN-5001TF

Applications

Electric/electronic housings, CD-ROM tray, terminal board, switch box etc.

Description

LUPOY GN-5001TF is flame resistant resin, rated UL94 V-0 at 1.5mm and 5VA at 2.5 mm, exhibits excellent flow and weather resistance. This resin does not contain halogenated and chlorinated compounds. Typical application includes business equipment enclosures where high flame resistance and weather resistance are required.

Properties	Test Method	Test Condition	Unit	Value
Physical				
Specific Gravity	ASTM D792		–	1.18
Mold Shrinkage	ASTM D955		%	0.4~0.6
Mechanical				
Tensile Strength at yield	ASTM D638		kg/cm ²	560
			MPa	55
			psi	7960
Elongation at break	ASTM D638		%	50
Flexural Strength	ASTM D790		kg/cm ²	810
			MPa	79
			psi	11500
Flexural modulus	ASTM D790		kg/cm ²	24000
			MPa	2350
			10 ³ ×psi	340
IZOD Impact Strength	ASTM D256	Noched, 23°C	kg·cm/cm	40
			J/m	390
			ft·lb/in	7.5
IZOD Impact Strength	ASTM D256	Noched, -30°C	kg·cm/cm	–
			J/m	–
			ft·lb/in	–
Rockwell Hardness	ASTM D785	R-Scale	–	113
Thermal				
Melt Flow Index(MI)	ASTM D1238	250°C, 2.16kgf	g/10min	22
Heat Deflection Temperature	ASTM D648	1.82 MPa	°C	–
			°F	–
		0.45 MPa	°C	88
			°F	190
Flammability				
Flame Retardancy	UL 94		Class (Thick.:mm)	V-0(1.5mm) 5VA(2.5mm)
Characteristics				
Halogen-free, High flow				