

# LUPOY GP-5006AF



## Applications

Electric/electronic housing etc.

## Description

LUPOY GP-5006AF flame resistant resin, rated UL 94 V-0 at 1.7mm, has high heat resistance and high impact strength. GP-5006AF provides higher heat resistance than GN-series.

Properties	Test Method	Test Condition	Unit	Value
<b>Physical</b>				
Specific Gravity	ASTM D792		-	1.17
Mold Shrinkage	ASTM D955		%	0.5~0.8
<b>Mechanical</b>				
Tensile Strength at yield	ASTM D638		kg/cm <sup>2</sup>	540
			MPa	53
			psi	7680
Elongation at break	ASTM D638		%	60
Flexural Strength	ASTM D790		kg/cm <sup>2</sup>	780
			MPa	76
			psi	11100
Flexural modulus	ASTM D790		kg/cm <sup>2</sup>	22000
			MPa	2155
			10 <sup>3</sup> ×psi	315
IZOD Impact Strength	ASTM D256	Noched, 23°C	kg·cm/cm	55
			J/m	540
			ft·lb/in	10.1
IZOD Impact Strength	ASTM D256	Noched, -30°C	kg·cm/cm	-
			J/m	-
			ft·lb/in	-
Rockwell Hardness	ASTM D785	R-Scale	-	108
<b>Thermal</b>				
Melt Flow Index(MI)	ASTM D1238	250°C, 2.16kgf	g/10min	7
Heat Deflection Temperature	ASTM D648	1.82 MPa	°C	104
			°F	220
		0.45 MPa	°C	-
			°F	-
<b>Flammability</b>				
Flame Retardancy	UL 94		Class (Thick.:mm)	V-0(1.7mm) 5VA(3.0mm)
<b>Characteristics</b>				
High flow				