

# LUPOY GN-5001RF

LUPOY GN-5001RF is a flame-retardant polycarbonate/ABS alloys which do not contain halogenated materials.

## Major Application

Monitor / Printer / Copier / O.A. machine housing

## Features

LUPOY GN-5001RF is a flame-retardant polycarbonate/ABS alloys which do not contain halogenated materials. This resin comply with the TCO'99 and Blue Angel environmental directives. And LUPOY GN-5001RF does not contain any mono-phosphate, so there is no mold deposit problem during injection molding. This resin can be applicable to monitor housing and housing of O. A. machine such as, printer, copier, fax ..

Testing	Property	Method	Condition	Unit	Value
Flammability	Flammability	UL94		class	V-0(1.5mm), 5VA(2.5mm)
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Mechanical	Flexural Modulus	ASTM D790		kg/cm <sup>2</sup>	25000
				MPa	2467.5
				psi	355500.0
	Tensile Strength at yield	ASTM D638		kg/cm <sup>2</sup>	600
				MPa	59.2
				psi	8532.0
	IZOD Impact strength	ASTM D256	23°C	kg-cm/cm	40
				J/m	392.0
				ft-lb/in	7.4
	Elongation at break	ASTM D638		%	50
				%	0.0
				%	0.0
Rockwell Hardness	ASTM D785	R-Scale		113	
				0.0	
				0.0	
Flexural Strength	ASTM D790		kg/cm <sup>2</sup>	900	
			MPa	88.8	
			psi	12798.0	
Physical	Mold Shrinkage	ASTM D955	-	%	0.4~0.6
				%	0.4~0.6
				%	0.4~0.6
Specific Gravity	ASTM D792			1.18	
				0.0	
				0.0	
Thermal	MI	ASTM D1238	250°C,2.16kgf	g/10min	20
				g/10min	0.0
				g/10min	0.0
	Heat Deflection Temp	ASTM D648	1/4",4.6kg/cm <sup>2</sup> (annealed)	°C	92
				°C	0.0
				°F	197.6