



LUPOY EF1006F

Injection Molding, PC

Description

Application

Halogen Free Flame Retardant, High Heat Resistance IT/OA Housing and Components (Adaptor)

Properties	Test Condition	Test Method	Unit	Typical Value	
Physical	Mr. Barre	7,15		6	
Specific Gravity		ASTM D792	-	1.21	
Molding Shrinkage (Flow), 3.2mm		ASTM D955	%	0.5~0.7	
Melt Flow Rate	300℃/1.2kg	ASTM D1238	g/10min	<u></u> 12	
Mechanical		LTO	- T	MEN COLO	
Tensile Strength, 3.2mm	((China	ASTM D638	1475	the contract of the contract o	
@ Yield	50mm/min		kg/cm ²	630	
Tensile Elongation, 3.2mm	700	ASTM D638	300		
@ Break	50mm/min		%	>100	
Flexural Strength, 3.2mm	10mm/min	ASTM D790	kg/cm ²	970	
Flexural Modulus, 3.2mm	10mm/min	ASTM D790	kg/cm ²	23,000	
IZOD Impact Strength, 3.2mm	10 do	ASTM D256	William City	·	
(Notched)	23℃		kg-cm/cm	77	
The state of the s	-30℃	4(4)	kg-cm/cm	. H	
Rockwell Hardness	R-Scale	ASTM D785	_	118	
Thermal		00		The state of the s	
Heat Deflection Temperature, 6.4mm		ASTM D648		4	
(Unannealed)	18.6kg		°C	130	
	4.6kg		$^{\circ}$ C		
Vicat Softening Temperature	12 10	ASTM D1525	a12 10		
Alfalla Coli	5kg, 50℃/h		°C	140	
Flammability	AT LITTLE WAY	UL94		·47 (B)	
1.0mm		a fail (L)	class	V-0	
1.5mm			class	V-0	
2.5mm			class		
3.0mm			class	V-0, 5VA	
Relative Temperature Index (RTI)		UL 746B		-	
Electrical			°C	120	
Mechanical with Impact	113/101		${\mathbb C}$	115	
Mechanical without Impact	W. W. T.L.		°C	120	

Note) Typical values are only for material selection purpose, and variation within normal tolerances are for various colors.

Values given should not be interpreted as specification and not be used for part or tool design.

All properties, except melt flow rate are measured on injection molulded specimens and after 48 hours storage at $23\,^{\circ}$ C, 50% relative humidty.

Updated : Aug-01, 2014





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Comparative Tracking Index(CTI)	alb	IEC 60112	Volts	a12 10	
Surface Resistivity		IEC 60093	Ohm	Was Co	
Volume Resistivity	23℃	ASTM D257	Ohm·m	THAT IS	
Arc Resistance	23℃	ASTM D495	Ohm-cm	2	
Dielectric Strength, 1mm	23℃	ASTM D149	kV/mm		
Dielectric Constant (10 ⁶ Hz)	23℃ _	ASTM D150	sec		66

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Processing Guide (Injection Molding)

Processin	g Parameters	Unit	Value
Drying Temperature	PID.	Ĵ	100 ~ 120
Drying Time		hrs	3 ~ 5
Maximum Moisture Content	-	%	0.02
Melt Temperature	<a> <a> <a> <a> <a> <a> <a> <a> <a> <a>	$^{\circ}$	300 ~ 320
WIN TO	Rear	$^{\circ}$	260 ~ 280
Cylinder Temperature	Middle	${\mathbb C}$	280 ~ 300
	Front	°C	300 ~ 320
Nozzle Temperature	COLLEGE	°C	300 ~ 320
Mold Temperature	5	°C	80 ~ 120
Back Pressure		kg/cm ²	10~40
Screw Speed		rpm	40 ~ 70

Note) Back Pressure & Screw Speed are only mentioned as general guidelines.

These may not apply or need adjustment in specific situations such as low shot sizes, thin wall molding and gas-assist molding.



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