

## LG Chemical LUPOY GP-5306F General Purpose PC/ABS Alloy, 30% Polymer Alloy, Weather Resistant, Flame Retardant

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate (PC)

### Material Notes:

Among the characteristics of LUPOY polycarbonate resins are excellent mechanical properties, high heat resistance, high impact strength, and dimensional stability. Applications: Automotive: Automotive front ends, cluster pad main panel (instrument panel), lower cluster pad main, console box, glove box cover, door, wheel cover and cap, defroster grill, back mirror housing Electrical and Electronic: Monitor housing, fax housing, notebook PC housing, cellular phone case, fax and copy machine frame, CD ROM drive tray and main frame, relay case, connector, switch Industrial Parts and Household Appliance: Helmet, terminal box, electrical tool housing, industrial bobbin, distributing board box, power tool component, gears and cams, water meter housing Information Provided by LG Chem

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_LG-Chemical-LUPOY-GP-5306F-General-Purpose-PCABS-Alloy-30-Polymer-Alloy-Weather-Resistant-Flame-Retardant.php](http://www.lookpolymers.com/polymer_LG-Chemical-LUPOY-GP-5306F-General-Purpose-PCABS-Alloy-30-Polymer-Alloy-Weather-Resistant-Flame-Retardant.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.43 g/cc	1.43 g/cc	ASTM D792
Linear Mold Shrinkage	0.0010 cm/cm	0.0010 in/in	ASTM D955
Linear Mold Shrinkage, Transverse	0.0030 cm/cm	0.0030 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	122	122	ASTM D785
Tensile Strength, Yield	98.0 MPa	14200 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Strength	147 MPa	21300 psi	ASTM D790
Flexural Modulus	7.055 GPa	1023 ksi	ASTM D790
Izod Impact, Notched	0.880 J/cm @Temperature 23.0 Â°C	1.65 ft-lb/in @Temperature 73.4 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	130 Â°C	266 Â°F	ASTM D648
Flammability, UL94	V-0 @Thickness 1.70 mm	V-0 @Thickness 0.0669 in	

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	230 - 270 Â°C	446 - 518 Â°F	
Middle Barrel Temperature	240 - 280 Â°C	464 - 536 Â°F	
Front Barrel Temperature	250 - 290 Â°C	482 - 554 Â°F	
Nozzle Temperature	250 - 290 Â°C	482 - 554 Â°F	
Melt Temperature	260 - 300 Â°C	500 - 572 Â°F	
Mold Temperature	70.0 - 110 Â°C	158 - 230 Â°F	
Drying Temperature	70.0 - 100 Â°C	158 - 212 Â°F	
Dry Time	3 - 5 hour	3 - 5 hour	
Screw Speed	40 - 70 rpm	40 - 70 rpm	

## Contact Songhan Plastic Technology Co.,Ltd.

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