

Lupoy® GP5001AF

Polycarbonate + ABS

LG Chem Ltd.

Message:

Lupoy® GP5001AF is a Polycarbonate + ABS (PC+ABS) material. It is available in Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of Lupoy® GP5001AF are:

Flame Rated

Flame Retardant

Good Dimensional Stability

Good Processability

Good UV Resistance

General Information			
UL YellowCard	E248280-533898		
Features	Flame Retardant		
	General Purpose		
	Good Dimensional Stability		
	Good Impact Resistance		
	Good Processability		
	Good UV Resistance		
	High Heat Resistance		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	117		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	58.8	MPa	ASTM D638
Tensile Elongation (Yield)	100	%	ASTM D638
Flexural Modulus	2400	MPa	ASTM D790
Flexural Strength (Yield)	96.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	490	J/m	ASTM D256
Unnotched Izod Impact	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	105	°C	ASTM D648
CLTE - Flow	8.8E-5	cm/cm/°C	ASTM D696
Electrical	Nominal Value	Unit	Test Method

Dielectric Constant (1 MHz)	3.00		ASTM D150
Dissipation Factor (1 MHz)	9.0E-3		ASTM D150
Arc Resistance (1.59 mm)	100	sec	ASTM D495
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.59 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	100 to 110	°C	
Drying Time	3.0 to 5.0	hr	
Rear Temperature	220 to 235	°C	
Middle Temperature	230 to 240	°C	
Front Temperature	235 to 245	°C	
Nozzle Temperature	235 to 250	°C	
Processing (Melt) Temp	240 to 270	°C	
Mold Temperature	60.0 to 100	°C	
Injection Pressure	58.8 to 118	MPa	
Back Pressure	0.00 to 3.92	MPa	
Screw Speed	40 to 90	rpm	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

