

Lupoy® SG5009FA

Polycarbonate + ABS + Acrylic

LG Chem Ltd.

Message:

Lupoy®SG5009FA is a Polycarbonate ABS Acrylic (PMMA) (PC ABS Acrylic) material. This product is available in North America, Latin America, Europe or Asia Pacific. The processing method is injection molding.

Lupoy®The main features of the SG5009FA are:

flame retardant/rated flame

Flame Retardant

high gloss

scratch resistance

Halogen-free

Typical application areas include:

Electrical/electronic applications

House

General Information			
UL YellowCard	E67171-100081241	E248280-101157607	
Additive	Flame retardancy		
Features	Highlight		
	Scratch resistance		
	Halogen-free		
	Flame retardancy		
Uses	Computer components		
	Electrical/Electronic Applications		
	Shell		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	20	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.30 - 0.50	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Pencil Hardness ¹	F		ASTM D3363
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Yield, 3.20 mm)	66.7	MPa	ASTM D638
Flexural Modulus ³ (3.20 mm)	2790	MPa	ASTM D790
Flexural Strength ⁴ (Yield, 3.20 mm)	103	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	83	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45 MPa, Unannealed, 6.40 mm)	94.0	°C	ASTM D648
RTI Elec	80.0	°C	UL 746
RTI Imp	80.0	°C	UL 746
RTI	80.0	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating (1.20 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	75.0 - 85.0	°C	
Drying Time	3.0 - 4.0	hr	
Rear Temperature	230 - 270	°C	
Middle Temperature	235 - 270	°C	
Front Temperature	235 - 270	°C	
Nozzle Temperature	235 - 270	°C	
Processing (Melt) Temp	245 - 270	°C	
Mold Temperature	90.0 - 120	°C	
Back Pressure	0.981 - 1.96	MPa	
Screw Speed	40 - 70	rpm	
Injection instructions			
Minimum Moisture Content: 0.04%			
NOTE			
1.	500 g		
2.	50 mm/min		
3.	10 mm/min		
4.	10 mm/min		

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