Lupox® LW5102F

Polycarbonate + PBT

LG Chem Ltd.

Message:

Description
Low Warpage, Flame Retardant
Application
E&E, Automotive(Switch)

General Information			
UL YellowCard	E67171-248579	E353371-101107259	
Features	Flame Retardant Low Warpage		
Uses	Automotive Applications Electrical/Electronic Applications		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.40	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	9.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.70	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.080	%	ASTM D570
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Break, 3.20 mm)	53.9	MPa	ASTM D638
Tensile Elongation [2] (Break, 3.20 mm)	4.0	%	ASTM D638
Flexural Modulus [3] (3.20 mm)	3240	MPa	ASTM D790
Flexural Strength [4] (Yield, 3.20 mm)	90.2	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C, 6.40 mm)	39	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	195	°C	ASTM D648
Peak Melting Temperature	223	°C	ASTM D3418
RTI Elec	75.0	°C	UL 746
RTI Imp	75.0	°C	UL 746
RTI Str	75.0	°C	UL 746
Flammability	**Nominal Value**		**Test Method**
Flame Rating (1.00 mm)	V-0		UL 94
Injection	**Nominal Value**	**Unit**	
Drying Temperature	100 to 120	°C	

Drying Time	4.0 to 6.0	hr
Suggested Max Moisture	0.020	%
Rear Temperature	235 to 240	°C
Middle Temperature	240 to 245	°C
Front Temperature	245 to 250	°C
Nozzle Temperature	245 to 255	°C
Processing (Melt) Temp	245 to 255	°C
Mold Temperature	40.0 to 80.0	°C

NOTE	
1.	5.0 mm/min
2.	5.0 mm/min
3.	1.3 mm/min
4.	1.3 mm/min

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