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E248280

Component - Plastics

Guide Information

**LG Chem (Guangzhou) Engineering Plastics Co Ltd**

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**LUPOY SG-5009FA(#)**

Polycarbonate (PC), modified "Lupoy", furnished as pellets

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
ALL	1.0	-	2	-	80	80	80
	1.2	V-0	2	-	80	80	80
	3.0	V-0	0	-	80	80	80

- Comparative Tracking Index (CTI): -
- Dielectric Strength (kV/mm): -
- High-Voltage Arc Tracking Rate (HVTR): -
- Dimensional Stability (%): -
- Inclined Plane Tracking (IPT) kV: -
- Volume Resistivity (10<sup>x</sup> ohm-cm): -
- Surface Resistivity (10<sup>x</sup> ohms/square): -
- High Volt, Low Current Arc Resis (D495): -

(#) - May be followed by optional suffix letter from A-Z incl., except F, and except Grades AF302G, HT700B, XR401B, LI912A, AF303G, AF303S.

ANSI/UL 94 small-scale test data does not pertain to building materials, furnishings and related contents. ANSI/UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in the components and parts of end-product devices and appliances, where the acceptability of the combination is determined by UL.

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IEC and ISO Test Methods				
Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	1.2	V-0 (ALL)
			3.0	V-0 (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	°C	-	-
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	-	-
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
IEC Ball Pressure	IEC 60695-10-2	°C	-	-
ISO Heat Deflection (1.80 MPa)	ISO 75-2	°C	-	-
ISO Tensile Strength	ISO 527-2	MPa	-	-
ISO Flexural Strength	ISO 178	MPa	-	-
ISO Tensile Impact	ISO 8256	kJ/m <sup>2</sup>	-	-
ISO Izod Impact	ISO 180	kJ/m <sup>2</sup>	-	-
ISO Charpy Impact	ISO 179-1	kJ/m <sup>2</sup>	-	-