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E248280

Component - Plastics

Guide Information

LG Chem (Guangzhou) Engineering Plastics Co Ltd

1 YECHENG 1ST RD, EAST SEC OF ECONOMIC & TECH DEV DIST, GUANGZHOU GUANGDONG 510760 CN

LUPOX GP-1000(#)

Polybutylene Terephthalate (PBT) "Lupox or Lutrel", furnished as pellets

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
ALL	0.71	HB	-	-	140	130	140
	1.5	HB	4	0	140	130	140
	3.3	HB	3	0	140	130	140

Comparative Tracking Index (CTI): 0

Dielectric Strength (kV/mm): 23

High-Voltage Arc Tracking Rate (HVTR): 0

Dimensional Change (%): 0

Inclined Plane Tracking (IPT) kV: -

Volume Resistivity (10^x ohm-cm): 17

Surface Resistivity (10^x ohms/square): -

High Volt, Low Current Arc Resis (D495): 5

(#) - 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)	0.71	HB, HB75 (ALL)
			1.5	HB, HB75 (ALL)
			3.3	HB, HB40 (ALL)
Glow-Wire Flammability (GWF1)	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 ²	-	-
ISO Izod Impact	ISO 180	kJ/m ²	-	-
ISO Charpy Impact	ISO 179-1	kJ/m ²	-	-