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E67171

Component - Plastics

Guide Information

LG CHEM LTD

128 Yeoui-daero Yeongdeungpo-gu, Seoul 07336 KR

SG175, SG175NS, SG175V

Acrylonitrile Butadiene Styrene (ABS), furnished as pellets

Color	Min. Thk (mm)	Flame Class	HWI	HA1	RTI Elec	RTI Imp	RTI Str
ALL	1.5	HB	4	2	60	60	60
	3.0	HB	3	0	60	60	60

Comparative Tracking Index (CTI): 0

Dielectric Strength (kV/mm): 28

High-Voltage Arc Tracking Rate (HVTR): 1

Dimensional Stability (%): 0

Inclined Plane Tracking (IPT) kV: -

Volume Resistivity (10^x ohm-cm): 16

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


High Volt, Low Current Arc Resis (D495): 6

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)	1.5	HB, HB75 (ALL)
			3.0	HB, HB40 (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 ²	-	-
ISO Izod Impact	ISO 180	kJ/m ²	-	-
ISO Charpy Impact	ISO 179-1	kJ/m ²	-	-

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