Component - Plastics E41613

Guide Information

Covestro Deutschland AG [PC Resins]

Chempark, Gebaeude B207, Leverkusen 51368 DE

2800 + (z)(f1), 2807 + (z)(f1), 2808 + (z)(f1), 2856 + (z)(f1), 2858 + (z)(f1)

Polycarbonate (PC) "Makrolon", furnished as pellets

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
ALL	0.75	V-2	-	-	125	115	125
	1.5-2.4	V-2	3	0	125	115	125
	2.5	HB	3	0	125	115	125
	3.0	HB	2	0	125	115	125
	6.0	HB	0	0	125	115	125

Comparative Tracking Index (CTI): 2

Dielectric Strength (kV/mm): 29

High-Voltage Arc Tracking Rate (HVTR): 0

Dimensional Stability (%): 0.0

Inclined Plane Tracking (IPT) kV: -

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

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

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

(f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.

(z) - Material designation and color code may be followed by up to three letters and/or three numbers (does not include grades which are separately recognized with above material designation and suffix)

+ - Material designations may be followed by a six digit numerical code denoting color.

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.

Report Date: 1969-08-22

Last Revised: 2016-08-29

IEC and ISO Test Methods

Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.75	V-2 (ALL)
			1.5-2.4	V-2 (ALL)
			2.5	HB, HB75 (ALL)
			3.0	HB, HB40 (ALL)
			6.0	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	-	-