

Covestro Deutschland AG [PC Resins]

Chempark, Gebaeude B207, Leverkusen 51368 DE

6485 + (z)(f1)

Polycarbonate (PC) "Makrolon", furnished as pellets

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
ALL	1.5	V-0	2	3	125	115	125
	3.0	V-0, 5VA	1	2	125	115	125
	6.0	V-0, 5VA	0	2	125	115	125

Comparative Tracking Index (CTI): 2	Inclined Plane Tracking (IPT) kV: -
Dielectric Strength (kV/mm): 24	Volume Resistivity (10 <sup>x</sup> ohm-cm): 16
High-Voltage Arc Tracking Rate (HVTR): 3	Surface Resistivity (10 <sup>x</sup> ohms/square): -
Dimensional Stability (%): 0.0	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.

IEC and ISO Test Methods				
Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10, IEC 60695-11-20	Class (color)	1.5	V-0 (ALL)
			3.0	V-0, 5VA (ALL)
			6.0	V-0, 5VA (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	°C	1.5	960
			3.0	960
			6.0	960
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	-	135
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>	-	-