

Component - Plastics

E207780

Guide Information

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PACIFIC GRADES - RESIN, 2-2 KINUGAOKA, MOKA-SHI Tochigi 321-4392 JP

C1200HF(GG), C1200HFRW

Polycarbonate/Acrylonitrile Butadiene Styrene (PC/ABS), flame retardant "Cycoloy", furnished as pellets

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec (°C)	RTI Imp (°C)	RTI Str (°C)
NC	0.75	HB	-	-	60	60	60
BK	1.0	HB	-	-	60	60	60
ALL	1.2	HB	3	1	60	60	60
	1.5	HB	-	-	105	80	105
	2.5	HB	-	-	105	80	105
	3.0	HB	3	1	105	80	105
	3.5	HB	-	-	105	80	105

Comparative Tracking Index (CTI): 2

Inclined Plane Tracking (IPT) kV: -

Dielectric Strength (kV/mm): 27

Volume Resistivity (10^x ohm-cm): 15

High-Voltage Arc Tracking Rate (HVTR): -

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

Dimensional Change (%): -

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

(GG) - Denotes a global grade formulation previously in File E161759.

NOTE - Material designation may be followed by a color nomenclature consisting of either an alpha/numeric or numeric/alpha combination.

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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ALSO CERTIFIED TO
IEC REQUIREMENTS

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IEC and ISO Test Methods

Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.75	HB, HB75 (NC)
			1.0	HB, HB75 (BK)
			1.2	HB, HB75 (ALL)
			1.5	HB, HB75 (ALL)
			2.5	HB, HB75 (ALL)
			3.0	HB, HB40 (ALL)
			3.5	HB, HB40 (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	°C	3.5	960
Glow-Wire Ignition (GWIT)	IEC 60695-2-13	°C	3.5	725
IEC Comparative Tracking Index	IEC 60112	Volts (Max)	-	-
IEC Ball Pressure	IEC 60695-10-2	°C	-	75
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	-	-