Component – Plastics

E205256

STAR PLASTICS, INC

West Virginia, United States

MATERIAL DESIGNATION: PC71(WB)(GG)(f1) : PC7101 (f1)

Product Description: Polycarbonate (PC), "ReStart" furnished as pellets

Color	Min Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI IMP	RTI Str
GG	1.5	V-0	2	0	125	115	125
	2.4	V-0, 5VA	2	0	125	115	125
	3.0	V-0, 5VA	2	0	125	115	125
	3.8	V-0, 5VA	2	0	125	115	125
	6.0	V-0, 5VA	2	0	125	115	125

Comparative Tracking Index (CTI):	3	Inclined Plane Tracking (IPT):	--
Dielectric Strength (kV/mm):	19	Volume Resistivity (10^xohm-cm):	--
High-Voltage Arc Tracking Rate (HVTR):	0	High Volt, Low Current Arc Resis (D495):	7
Dimensional Stability (%):	-		

(GG) - All Colors except WT.
(WB) - Denotes a 2 digit number from 00 to 99 representing a customer code.
(f1) - Suitable for outdoor use with respect to exposure to Ultraviolet Light, Water Exposure and Immersion in accordance with UL 746C.

NOTE - Material designations may be followed by numbers and/or letters representing color and/or granulation and/or lubrication.

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.

Last Revised: 2017-05-08
Access Date: 2018-06-27

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IEC AND ISO TEST METHODS

Test Name	Test Method	Units	Thickness Tested (mm)	Value
Flammability	IEC 60695-11-10, IEC 60695-11-20	Class (color)	1.5	V-0 (ALL)
			2.4	V-0, 5VA (ALL)
			3.0	V-0, 5VA (ALL)
			3.8	V-0, 5VA (ALL)
			6.0	V-0, 5VA (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	C	3.8	960
			6.0	960
Glow-Wire Ignition (GWI)	IEC 60695-2-13	C	3.8	800
			6.0	800
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	4.0	141
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 179-2	kJ/m^2	--	--