Component – Plastics E205256

Star Plastics, LLC

326 Jack Burlingame Dr, Millwood, WV 25262 USA

Material Designation: re-PCR-FR7601(f1)

Product Description: Polycarbonate (PC), “reNova” furnished as pellets

Color	Min Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI IMP	RTI Str
ALL (but clear)	1.5	V-0	3	0	125	115	125
	2.5	V-0	3	1	125	115	125
	3.0	V-0	2	1	125	115	125
	3.8	V-0	-	-	125	115	125

Comparative Tracking Index (CTI): 2
Dielectric Strength (kV/mm): 24
Dimensional Stability (%): 3
High-Voltage Arc Tracking Rate (HVTR): -

Inclined Plane Tracking (IPT): --
Volume Resistivity (10^xohm-cm): 15
High Volt, Low Current Arc Resis (D495): 6

(WD) - Denotes a 2 digit number from 00 to 99 representing a customer code. All colors except CL.

(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 smallscale test data is intended solely for determining the flammability of plastic materials used in the components and parts of endproduct devices and appliances, where the acceptability of the combination is determined by UL.

Access Date: 8/2/23

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 2.4 3.0 3.8 6.0	V-0 (ALL) V-0, 5VA (ALL) V-0, 5VA (ALL) V-0, 5VA (ALL) V-0, 5VA (ALL)
Glow-Wire Flammability (GWFI)	IEC 60695-2-12	C	3.8 6.0	960 960
Glow-Wire Ignition (GWI)	IEC 60695-2-13	C	3.8 6.0	800 800
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	--	--