Component - Plastics **E41938**

E I DUPONT DE NEMOURS & CO INC

ENGINEERING POLYMERS, CHESTNUT RUN PLAZA, PO BOX 80713, WILMINGTON DE 19880

T843FR (+)

Polybutylene Terephthalate (PBT), toughened, flame retardant, glass reinforced, "Crastin", furnished as pellets

Color	Min Thk (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str
ALL	1.5	V-0	2	0	130	120	130
	3.0	V-0	1	0	130	130	130
	6.0	V-0	1	0	130	130	130

Comparative Tracking Index (CTI): **2**

Dimensional Stability (%): **0.0**

High-Voltage Arc Tracking Rate (HVTR): **3**

High Volt, Low Current Arc Resis (D495): **6**

Dielectric Strength (kV/mm): **17**

Volume Resistivity (10^x ohm-cm) : **13**

(+) - Virgin and regrind up to 50% by weight inclusive, have the same basic material characteristics.

NOTE - (1) Material designations that are color pigmented may be followed by suffix letters and numbers. (2) Material designations may be prefixed by "ZYT" for Zytel or "MIN" for Minlon or "ZEN" for Zenite or "DEL" for Delrin or "CRA" for Crastin or "RYN" for Rynite or "THX" for Thermx or "ETPV" for ETPV grades.

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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IEC and ISO Test Methods

Test Name	Test Method	Units	Thickness Tested (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	1.5	V-0 (ALL)
			3.0	V-0 (ALL)
			6.0	V-0 (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 179-2	kJ/m^2	-	-

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