

CELANESE INTERNATIONAL CORP

CELCON BUSINESS LINE, 8040 DIXIE HWY, FLORENCE KY 41042

M25#(+4), M50#(+4), M140#(+4), M90 (+4), M270#(+4), M90SCX# (+4), CFX-0346(+4), M25 ECO-B #(+4), M50 ECO-B #(+4), M140 ECO-B #(+4), M90 ECO-B (+4), M270 ECO-B #(+4), M90SCX ECO-B # (+4), CFX-0346 ECO-B(+4)

Acetal Polyoxymethylene (POM), copolymer "Celcon", furnished as pellets

Color	Min. Thk (mm)	Flame Class	HWI	HAI	RTI Elec (°C)	RTI Imp (°C)	RTI Str (°C)
ALL	0.71	HB	-	-	50	50	50
	1.5	HB	4	0	110	90	90
	3.0	HB	4	0	110	90	100
	6.0	HB	3	0	110	90	100

Comparative Tracking Index (CTI): 0

Inclined Plane Tracking (IPT) kV: -

Dielectric Strength (kV/mm): 26

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

High-Voltage Arc Tracking Rate (HVTR): 0

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

Dimensional Change (%): 0.3

High Volt, Low Current Arc Resis (D495): 4

RoHS 2011/65/EU & 2015/863 Compliant Material (color: NC) [view certificate](#)

UL 746H Non-Halogenated Material (color: NC)

- Celcon grades filwd. by no numerical suffix, or suffixes -01,-04,-07,-08 or-14 to indicate stabilizer pckgs.(A)suffix ltrs. CA,CB,CC,CD,CE,CF,CG,CK,CL,CR,CS,CU,CY;
(B) ltrs. optional;(C) may also be filwd.by suffix -07 filwd. by word concentrate

(+4) - Virgin and regrind from 1 to 25% by weight incl. have the same basic material characteristics. In addition, 26 to 100% by weight incl. have the same basic material characteristics in NC and BK Colors.

+ - May be replaced by one, two, three, four, or five letters and/or one, two, or three digit numbers except 1325GV2.

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.

Report Date: 1996-11-04

Last Revised: 2022-12-21



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IEC and ISO Test Methods

Test Name	Test Method	Units	Thk (mm)	Value
Flammability	IEC 60695-11-10	Class (color)	0.71	HB, HB75 (ALL)
			1.5	HB, HB75 (ALL)
			3.0	HB, HB40 (ALL)
			6.0	HB, HB40 (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 179-1	kJ/m ²	-	-