

Cycloloy® Resin C2950
Americas: COMMERCIAL

TYPICAL PROPERTIES ¹	TYPICAL VALUE	UNIT	STANDARD
THERMAL			
Relative Temp Index, Mech w/o Impact	85	°C	UL 746B
PHYSICAL			
Specific Gravity	1.18	-	ASTM D 792
Specific Gravity, co br	1.22	-	ASTM D 792
Water Absorption, 24 hours	0.1	%	ASTM D 570
Water Absorption, equilibrium, 23C	0.4	%	ASTM D 570
Mold Shrinkage, flow, 3.2 mm	0.4 - 0.6	%	SABIC Method
Mold Shrinkage, xflow, 3.2 mm	0.4 - 0.6	%	SABIC Method
Melt Flow Rate, 260°C/2.16 kgf	10	g/10 min	ASTM D 1238
ELECTRICAL			
Volume Resistivity	1.E+17	Ohm-cm	ASTM D 257
Surface Resistivity	> 1.E+16	Ohm	ASTM D 257
Dielectric Strength, in oil, 3.2 mm	19.4	kV/mm	ASTM D 149
Relative Permittivity, 50/60 Hz	3	-	ASTM D 150
Relative Permittivity, 100 Hz	3	-	ASTM D 150
Dissipation Factor, 50/60 Hz	0.005	-	ASTM D 150
Dissipation Factor, 100 Hz	0.0049	-	ASTM D 150
Arc Resistance, Triagrite® (PLC)	6	PLC Code	ASTM D 495
Hot Wire Ignitability (PLC)	1	PLC Code	UL 746A
High Voltage Arc Track Rate (PLC)	2	PLC Code	UL 746A
High Ampere Arc Ignitability (PLC)	0	PLC Code	UL 746A
Comparative Tracking Index (UL) (PLC)	1	PLC Code	UL 746A
FLAME CHARACTERISTICS			
UL Recognized, 94V-0 Flame Class Rating (3)	1.49	mm	UL 94
UL Recognized, 94-VB Rating (3)	2.48	mm	UL 94
CSA (see File for complete listing)	LS98 480	File No.	CSA LISTED

¹ Typical values only. Variations in color, mechanical properties and parallel dimensions colors of values are measured at least 24 hr. at 23°C using a 1.180500 white standard. All properties, except for melt flow rate are measured on injection molded samples. All samples are prepared according to ISO 2918.

² Only applicable for material selection purposes. Do not use for structural design.
³ This rating is not business certified. Further performance data or any other used is intended under the conditions. One measurement according to UL.

Source: Q40, LSA Injection

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