

FR6, FR60 (GG), FR63 (GG), FR65 (GG), FR6(!#),
FR700(GG), FR7(!#), FR25A

File Number: E121562

Yellow Card® 

COMPANY

SABIC INNOVATIVE PLASTICS US L L C
AMERICAS - RESIN
1 PLASTICS AVE
PITTSFIELD, MA 01201-3662 United States

MODEL INFO

Lexan: FR6, FR60 (GG), FR63 (GG), FR65 (GG), FR6(!#), FR700(GG), FR7(!#), FR25A

Polycarbonate (PC), furnished as films and sheets

(!#) – Material designations may be suffixed by a combination of numbers and/or letters.

(GG) – Denotes a global grade formulation previously in File E161759.

NOTE – Material designation may be followed by a color nomenclature consisting of either an alpha/numeric or numeric/alpha combination.

FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		ANSI/UL 94
0.051 mm, Color: CL	VTM-0	
0.076 mm, Color: CL	VTM-0	
0.13 mm, Color: CL, BK	VTM-0	
0.23 mm, Color: ALL	V-0	
0.38 mm, Color: ALL	V-0	
0.51 mm, Color: ALL	V-0	
3.0 mm, Color: ALL	V-0	
ISO/IEC FLAMMABILITY PROPERTIES	VALUE	TEST METHOD

Flammability		IEC 60695-11-10
0.23 mm, Color: ALL	V-0	
0.38 mm, Color: ALL	V-0	
0.51 mm, Color: ALL	V-0	
3.0 mm, Color: ALL	V-0	
Flammability		ISO 9773
0.051 mm, Color: CL	VTM-0	
0.076 mm, Color: CL	VTM-0	
0.13 mm, Color: CL, BK	VTM-0	
ELECTRICAL PROPERTIES	VALUE	TEST METHOD
Hot-wire Ignition (HWI)		UL 746A
0.23 mm	PLC 1	
0.38 mm	PLC 0	
0.51 mm	PLC 0	
High Amp Arc Ignition (HAI)		UL 746A
0.23 mm	PLC 0	
0.38 mm	PLC 0	
0.51 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 3	UL 746
Dielectric Strength	66 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 4	
THERMAL PROPERTIES	VALUE	TEST METHOD
Relative Thermal Index - Electrical Strength		UL 746B
0.051 mm	80 °C	
0.076 mm	125 °C	
0.13 mm	130 °C	

0.23 mm	130 °C
0.38 mm	130 °C
0.51 mm	130 °C
3.0 mm	130 °C

Relative Thermal Index - Elongation

UL 746B

0.051 mm	80 °C
0.076 mm	120 °C
0.13 mm	125 °C
0.23 mm	125 °C
0.38 mm	125 °C
0.51 mm	125 °C
3.0 mm	125 °C

Relative Thermal Index - Mechanical Strength

UL 746B

0.051 mm	80 °C
0.076 mm	125 °C
0.13 mm	130 °C
0.23 mm	130 °C
0.38 mm	130 °C
0.51 mm	130 °C
3.0 mm	130 °C

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