

Fiberglass Fire Rating

FLAME RETARDENT RESINS, Class 1. Offers a wide variety of flame retardent properties. Engineered specifically for building products and a myriad of other interior and exterior applications. Meets the most exacting requirements of local fire codes, IBC, DOT and other government specifications.

TYPICAL PHYSICAL PROPERTIES		
Properties	1/8" Unfilled Casting	1/8" Glass Laminate
Flexural Strength, psi 77° F	16,000	30,000
Flexural Modulus, psi x 10 ⁶ , 77° F	0.48	1.3
Tensile Strength, psi 77° F	8,700	18,000
Elongation, %	2.2	-
Barcol Hardness	45	50-55
Glass Content, %	-	29.8

FLAMMABILITY PROPERTIES	
(1/8" Glass Laminate)	
ASTME-84 (tunnel test) Flame spread.....	less than 25 (unfilled)
smoke density.....	less than 380 (unfilled)
HLT-15 Rating.....	100
ASTM D-635-74.....	AEB<1.0 CM
	ATB<5 sec.
ASTM D-2863-74 (Oxygen Index).....	36.5

Materials having a structural base of noncombustible material as determined in accordance with section 703.4.1 with a surfacing not more than 0.125 inch (3.18mm) thick that has a flame spread index not greater than 50 when tested in accordance with ASTM E 84 shall be acceptable as noncombustible materials.