

Fire Resistant Container Skins

Precision cut skin panels for Fire Resistant Containers (FRC) using the MACRO-Lite composite material system

SKIN MATERIAL	WEIGHT (LBS/FT ²)	THICKNESS (IN)	1" BREAK STRENGTH (LBS)
.040" Aluminum	.560	.040	1,600
Polycarbonate	.450	.080	800
E-Glass Fiberglass	.400 - .600	.060	1,500 - 2,000
MACRO-Lite ML201	.370	.050	3,000
MACRO-Lite ML202	.275	.038	1,800

ML201 and ML202 provide weight savings, strength, and maximum fire resistance. Both configurations pass 14 CFR Part 25, Appendix F, Part III – Flame Resistance of Cargo Liners, Ceiling Orientation

TEST	ASTM D3884 TABER ABRASION	ASTM D3039 TENSILE STRENGTH	ISO 12236 PUNCTURE
MATERIAL	<i>mg loss per revolution</i>	<i>Ultimate Tensile Strength (Mpa)</i>	<i>Push Through Force (kN)</i>
MACRO-Lite ML201	<.030	>425	9
MACRO-Lite ML202	<.030	>400	5

** Independent Test Data*

Available in common colors and in raw sheet up to 85" x 135" or precision cut to part geometry (with holes)

Email info@macroindustries.com to request additional information.