



Makrolon® LF sheet

Low flammability

Makrolon® LF sheet is a flame resistant, UV stabilized, transparent polycarbonate product. It features a UL 94 V-0 rating and meets FAR 25.853 (a), 1, (i) requirements at 0.080" and thicker. The product offers high impact strength, superior dimensional stability, high temperature resistance, and high clarity. This lightweight thermoformable sheet is also easy to fabricate and decorate.

Applications

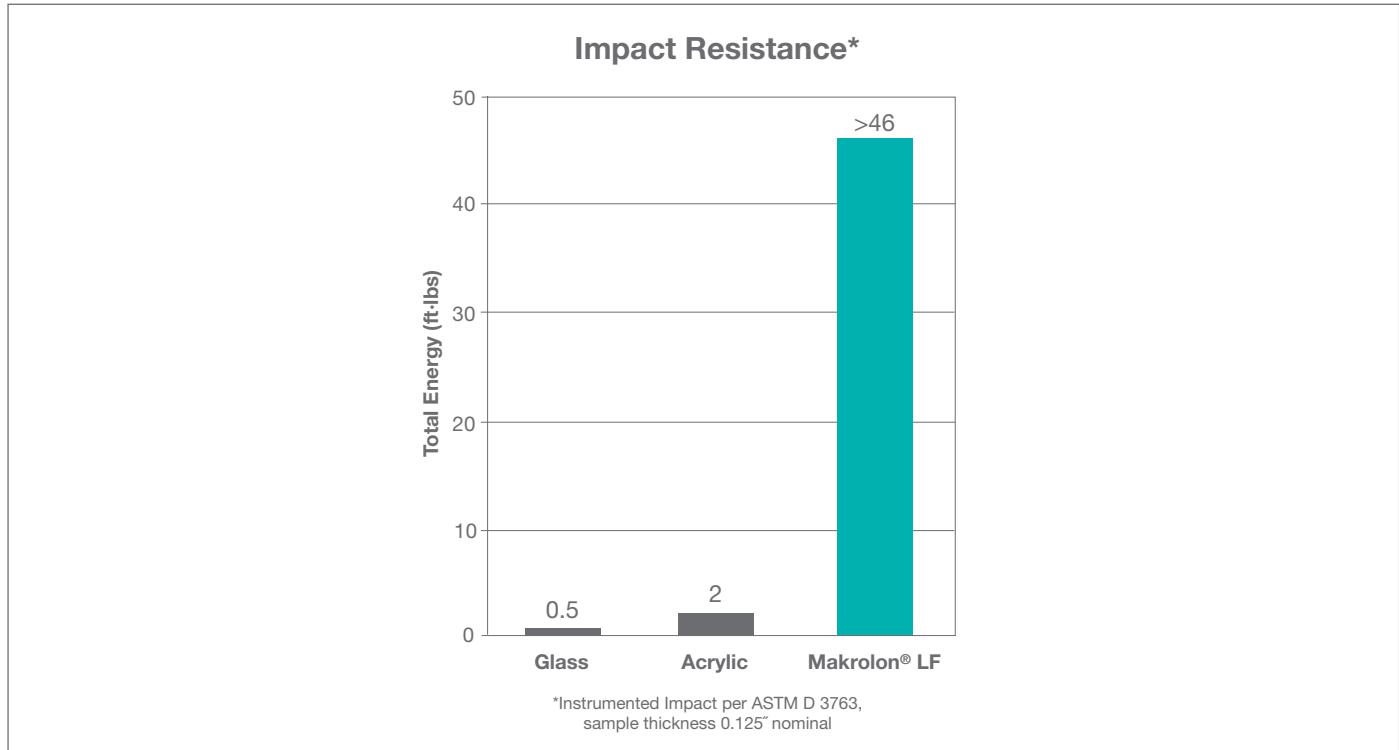
Electrical devices, equipment housings, switchgear covers, light fixtures

Typical Properties*

Property	Test Method	Units	Values
PHYSICAL			
Specific Gravity	ASTM D 792	-	1.2
Light Transmission, Clear @ 0.118"	ASTM D 1003	%	86
Haze, Clear	ASTM D 1003	%	<1
MECHANICAL			
Tensile Strength, Ultimate	ASTM D 638	psi	9,500
Flexural Strength	ASTM D 790	psi	13,500
Compressive Strength	ASTM D 695	psi	12,500
Modulus of Elasticity	ASTM D 638	psi	345,000
Izod Impact Strength, Notched @ 0.125"	ASTM D 256	ft-lbs/in	15
Izod Impact Strength, Unnotched @ 0.125"	ASTM D 256	ft-lbs/in	No Break
Instrumented Impact	ASTM D 3763	ft-lbs	>46
THERMAL			
Coefficient of Thermal Expansion	ASTM D 696	in/in/°F	3.75 x 10 ⁻⁵
Heat Deflection Temperature @ 264 psi	ASTM D 648	°F	270
Heat Deflection Temperature @ 66 psi	ASTM D 648	°F	280
FLAMMABILITY			
Flame Class @ 0.080"	UL 94	-	V-0
FAA Flammability	FAR 25.853		
@ 0.080" - 0.250"	Part 1, a (i) - 60 sec	-	Pass
@ 0.080" - 0.250"	Part 1, a (ii) - 12 sec	-	Pass

*Typical properties are not intended for specification purposes.

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