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# Makrolon LF

## Product Data

### Low Flammability

#### Description

MAKROLON<sup>®</sup> LF Polycarbonate sheet is a flame-inhibiting sheet developed to meet UL 94 V-0 test criteria. MAKROLON LF polycarbonate sheet is offered in gauges from .080" thickness and is a UV stable product. This product conforms with FAR 25.853 paragraphs A & B.

#### High Impact Strength

Makrolon LF polycarbonate sheet is virtually unbreakable with many times the impact strength of float glass and acrylic.

#### Applications

Typical applications include transparent interior aircraft components, switchgear covers, electrical devices, thermoformed equipment housings, and other current-carrying components.

### Typical Physical Properties

Property	Test Method	Units	Values
<b>PHYSICAL</b>			
Specific Gravity	ASTM D 792	-	1.2
Light Transmission, Clear	ASTM D 1003	%	86
Haze, Clear	ASTM D 1003	%	<1
Flammability	UL 94	-	V-0*
<b>MECHANICAL</b>			
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	ASTM D 256	ft-lbs/in	2.3
Izod Impact Strength, Unnotched	ASTM D 256	ft-lbs/in	NB
Instrumented Impact	ASTM D 3763	ft-lbs	>45
<b>THERMAL</b>			
Coefficient of Thermal Expansion	ASTM D 696	in/in/°F	3.75 x 10 <sup>-5</sup>
Heat Deflection Temperature, @ 264 psi	ASTM D 648	°F	270
Heat Deflection Temperature, @ 66 psi	ASTM D 648	°F	280

\*Clear and all colors  $\geq$ .080"



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