Low Flammability

Description

MAKROLON® 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
PHYSICAL			
Specific Gravity	ASTM D 792	-	1.2
Light Transmission, Clear	ASTM D 1003	%	86
Haze, Clear	ASTM D 1003	%	<1
Flammabilty	UL 94	-	V-0*
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	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
THERMAL			
Coefficient of Thermal Expansion	ASTM D 696	in/in/°F	3.75×10^{-5}
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"

NONE TOUGHER

NONE CLEARER

maKROLOn®

ISO 9001:2000 SGS

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