



LEXAN® FMR-604 SHEET

Product Data Sheet

DESCRIPTION

LEXAN® FMR-604 coated sheet is a two-side, hard-coated polycarbonate material offering excellent impact resistance, optical clarity, and abrasion resistance. LEXAN FMR-604 may be cold-formed or heat-drape-formed to soft radii.

LEXAN FMR-604 sheet is ideal for aircraft window dust covers, acoustic panels, visors, diffusers and graphics.

TYPICAL PROPERTY VALUES*

Property	Test Method	Units	Value
PHYSICAL			
Specific Gravity	ASTM D792	—	1.20–1.28
Water Absorption, Equilibrium, 24 Hrs	ASTM D570	%	.17–.2
Sound Transmission, STC Rating (36" x 84") @ .125"	ASTM E9070	—	25
Abrasion Resistance, Taber Abrader, 100 Cycles, CS-10F Wheel, 500g Load	ASTM D1044-76	%	<10.0
MECHANICAL			
Tensile Strength @ Yield	ASTM D638	psi	10,000
Ultimate			9,500
Tensile Modulus	ASTM D638	psi	240,000
Elongation	ASTM D638	%	> 80
Flexural Strength (gauge dependent)**	ASTM D790	psi	14,000
Flexural Modulus (gauge dependent)**	ASTM D790	psi	345,000
Dynatup, 1/2" dia. dart, (gauge dependent)** @ 73°F	ASTM D3783	ft-lbs	> 50
Izod Impact Strength, (gauge dependent)**	ASTM D256A	ft-lbs/in	
Notched @ 73°F			2.4
Unnotched @ 73°F			NB
Gardner Impact Strength, round tup (gauge dependent)** @ 73°F	Gardner	in-lbs	>320
THERMAL			
Coefficient of Thermal Expansion	ASTM D696	in/in/°F	3.75 x 10 ⁻⁵
Heat Deflection Temperature @ 264 psi	ASTM D648	°F	280
FLAMMABILITY			
FAA Flammability @ 40 to 125 mils	FAR 25.853A	—	Pass

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*These are typical properties and are not intended for specification purposes. If minimum certifiable properties are required, please contact your local GE Plastics Structured Products representative or the GE Plastics Structured Products Quality Services Department.

For more information call: (800) 451-3147.



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