

Description

Lexan FMR604 coated sheet is a two-side, hard-coated polycarbonate material offering excellent impact resistance, optical clarity, and abrasion resistance. Lexan FMR604 may be cold-formed or heat-drape-formed to soft radii. Lexan FMR604 sheet is an excellent candidate for aircraft window dust covers, acoustic panels, visors, diffusers and graphics.

Typical Property Values ♦

Property	Test Method	Unit	Value
Physical			
Specific Gravity	ASTM D792	-	1.20 - 1.28
Water Absorption, Equilibrium, 24 hrs.	ASTM D570	%	0.17 - 0.2
Sound Transmission (STC Ratings 36"x84") @ .125"	ASTM E9070	-	25
Abrasion Resistance, CS10F wheels, 500 gram load, 100 cycles	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 Impact Strength, 1/2" dia. dart (Gauge Dependent)# @ 73°F	ASTM D3763	ft-lbs	40
Izod Impact Strength (Gauge Dependent)# Notched @ 73°F	ASTM D256A	ft-lbs/in	2.4
Unnotched @ 73°F			NB
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 mills	FAR 25.853A	-	Pass

♦ These typical values are not intended for specification purposes. If minimum certifiable properties are required please contact your local SABIC Innovative Plastics' representative.

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Reported values based on 0.125" gauge thickness



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