POLYVANTIS

PRODUCT DATASHEET

LEXAN™ MARGARD™ FAF SHEET

DESCRIPTION

LEXAN™ MARGARD™ FAF sheet is a coated LEXAN polycarbonate sheet offering long-term anti-fog performance, excellent scratch resistance, formability, impact resistance, dimensional stability, and optical clarity. LEXAN MARGARD FAF sheet also exhibits chemical resistance, and tintability properties. It has been specifically developed to offer excellent performance in the visor/eye protection industries and a variety of other applications.

Typical applications include:
o industrial visors and goggles
o sports eyewear
o motorcycle visors
o face shields and windshields
o sunglasses
o instrument lenses and display panels
o mirror and windows
o appliance fascia's

TYPICAL PROPERTY VALUES*

PROPERTY	TEST METHOD	UNITS	VALUE
Physical			
Specific Gravity	ASTM D792	g/cm³	1.20
Water Absorption	ASTM D570	%	
24 hours			0.15
Equilibrium			0.35
Fog-Free Time	POLYVANTIS Method	Seconds	>30
Scratch Resistance			
Taber Abrasion (CS10F wheels/500g/ 100	ASTM D1004	% Haze	<15
Falling Silica (1000g standard sand)	ASTM D968	% Haze	<5
Mechanical			
Dynatup Impact			
(test sample thickness = 0.080")	ASTM D3763	ft.lbs	
Room Temperature			38
0°F			34
Thermal			
Coefficient of Thermal Expansion	ASTM D696	1/°F	$3.75x10^{-5}$
Heat Deflection Temperature @ 66 psi	ASTM D648	°F	280
Light Transmission	ASTM D1003	%	>88
Yellowness Index			<2
Haze		%	<1

◆ These are typical properties and are not intended for specification purposes. If minimum certifiable properties are required, please contact your local POLYVANTIS representative or the POLYVANTIS Quality Services Department.

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LEXAN™ POLYCARBONATE FILM & SHEET Tough, Virtually Unbreakable

LEXAN is a trademark of SABIC

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