POLYVANTIS

PRODUCT DATASHEET

LEXAN™ F5000 Sheet

DESCRIPTION

LEXAN™ F5000 sheet is a co-extruded, flame retardant sheet designed for aircraft interior applications. F5000 Sheet is provided with a pigmented cap layer (AB co-extrusion construction) over a black base. In window shade applications, this construction provides excellent opacity and eliminates carbon powder mark-off. The A surface of this product is designed for lamination with a decorative film.

TYPICAL PROPERTY VALUES*

Property	Test Method	Units	Value
Physical			
Specific Gravity (Color	ASTM D792	g/cm^3	1.2755
Water Absorption, Equilibrium, 24	ASTM D570	%	0.28
Gauge Availability		inch	0.042
Mechanical			
Tensile Strength	ASTM D638	psi @ Yield	9,550
Ultimate			7,820
Tensile Modulus	ASTM D638	psi	324,000
Tensile Elongation	ASTM D638	%Ultimate	68
Flexural Strength (Gauge	ASTM D790	psi	17,000
Flexural Modulus (Gauge	ASTM D790	psi	456,000
Dynatup Impact Strength, ½"	ASTM D3763	ft-lbs @ 75°F	10
(Gauge Dependent) 1			
Gardner Impact Strength, round	ASTM D3029	in-lbs @ 75°F	240
(Gauge Dependent) 1			
Rockwell Hardness, R	ASTM D785		111
Thermal			
Coefficient of Thermal Expansion	ASTM D696	in/in/°F	2.75 x 10^{-5}
Heat Deflection Temperature @	ASTM D648	°F	373
Mold Shrinkage		in/in	.007-.010
Flammability			
FAR 25.853, Appendix F			
Vertical Burn	Part 1, (a),1,(ii): 12 sec.		Pass
Smoke Density	Part V		Pass
Toxicity			
Boeing	BSS 7239		Pass
Airbus	ABD 0031		Pass

♦ These property values have been derived from Lexan™ resin data for the material used to produce this sheet product

POLYVANTIS

Polycarbonate products are sold globally under the trademark LEXAN™ Film & Sheet, owned by SABIC or its subsidiaries or affiliates.

polyvantis.com

LEXAN™ POLYCARBONATE FILM & SHEET Tough, Virtually Unbreakable

LEXAN is a trademark of SABIC

© POLYVANTIS