POLYVANTIS

RAILWAY SOLUTIONS FOR LIGHT COVERS & DIFFUSERS

WITH LEXAN™ F2000 SHEET



LEXAN™ F2000 sheet, available in clear transparent and translucent opal white colors, is a flame retardant, lightweight product that can be an excellent choice for light diffusers and light covers. It offers ease of processing, excellent formability and can help achieve part integration in train ceilings with light diffusers.

PROPERTIES

- Light weight
- Design Freedom
- Thermoformable
- High impact resistance
- Fire resistant
- Available in transparent and translucent opal white color



Robust Flame Smoke and Toxicity performance:

- EN 45545-2: R4, R22, R23
- DIN 5510: S4, SR2, ST2
- TB/T 3237

LEXAN™ SHEET

PROCESSING

LEXAN™ F2000 sheet is ideally suited to thermoforming. It offers high, deep draw ratios, equal wall thickness distribution, and it can be formed into complex shapes using standard thermoforming equipment. Sandwich type heating systems give the best results. LEXAN F2000 sheet has a forming temperature range of 180 - 220°C. When forming, a draft angle of at least 3° should be allowed, and post mold shrinkage of 0.5 – 0.9% taken into account.

ASSEMBLING

Parts made from LEXAN F2000 sheet can be assembled with plastics, metals, rubber and other materials using many types of adhesive bonding, welding and mechanical fastening techniques. Since some of these materials can cause environmental stress cracking, please consult POLYVANTIS for advice on specific applications.

PRODUCT AVAILABILITY

Product code	: LEXAN F2000 Sheet
Standard size	: 1250 x 2050mm, 2050 x 3000mm
Gauges	: 1.5 to 8mm
Textures	: Polished/Polished, polished/Matt F2005
Colors	: Clear 112, Bronze 5109, Opal WH6D060X

Other colors/sizes are available by special request.



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www.polyvantis.com

LEXAN™ POLYCARBONATE FILM & SHEET | Tough, Virtually Unbreakable

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