

OPACITY + COMPLIANCE

LEXAN™ XHR 5000 (EXTREMELY LOW HEAT RELEASE) SHEET

Designed for multi-layer aircraft window shade systems requiring advanced flame-smoke-toxicity (FST) properties and opacity, SABIC's Innovative Plastics business introduced new LEXAN™ XHR 5000 sheet. This new product helps improve comfort in the cabin environment with a high-quality appearance and enhanced room-darkening properties. Supplied as a white-pigmented cap layer over a black base, LEXAN XHR 5000 sheet is engineered as a robust yet lightweight substrate to be laminated with decorative films and then thermoformed.



TYPICAL BENEFITS

- Substrate for multi-layer construction
- Elimination of unsightly carbon mark-off
- Opacity
- Excellent burn performance and compliance with:
 - Vertical burn test – FAR 25.853 (a) Appendix F Part I (60 Sec. Vertical Burn)
 - Heat release – (OSU 65/65) and FAR 25.853 (d) Appendix F Part IV
 - Smoke Density – FAR 25.853 (d) Appendix F Part V
 - Toxicity requirements – Boeing BSS7239, Airbus ABD0031

POTENTIAL APPLICATIONS

- Aircraft window shades
- Large formed parts
- Aircraft interiors
- Concealed thermoplastic parts

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