

PROTECTION+ PERFORMANCE

LEXAN™ OQ SHEET PORTFOLIO

Virtually unbreakable, high optical quality, LEXAN sheet portfolio of polycarbonate (PC) products, from SABIC, combine crystal clear transparency with lightweight and features outstanding low ripple and distortion, including an extremely low number of optical defects.

EXTREMELY HIGH IMPACT RESISTANCE

Like all LEXAN sheet products, LEXAN MARGARD sheet may offer extremely high impact resistance, minimizing the risk of breakage — even when subjected to violent blows by heavy objects. This impact resistance does not vary significantly over a wide temperature range (–40 °F to +248 °F) or after prolonged outdoor exposure.

SAFE AND EASY TO HANDLE AND INSTALL

LEXAN sheet is very light and can be cut to size on-site using conventional workshop tools, allowing reduced lead times for re-glazing. Lighter glazing reduces overall cab weight and may also offer opportunities to use lighter installation hardware.

ANTI-VANDAL GLAZING

Glazing with LEXAN MARGARD sheet can be an excellent candidate in areas where there may be a risk of vandalism. It minimizes the risk of costly re-glazing and allows frequent cleaning or removal of graffiti without causing damage.

FIGURE 1 IMPACT RESISTANCE

Falling dart impact test 5 pounds (2.3 kg.) steel dart 1" (25.4 mm) diameter dip

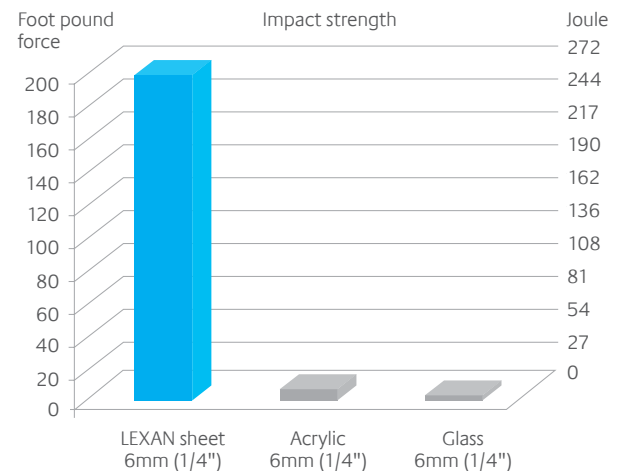


FIGURE 2 WEIGHT

THICKNESS		LEXAN™ SHEET	GLASS
inch	mm	Lbs/sq.ft (kg/sq.meter)	Lbs/sq.ft (kg/sq.meter)
0.08	2	0.5 (2.4)	1.02 (5.0)
0.093	2.4	0.58 (2.8)	1.2 (5.9)
0.118	3	0.73 (3.6)	1.6 (7.8)
0.177	4.5	5.4 (1.1)	2.4 (11.7)
0.236	6	1.46 (7.2)	3.2 (15.6)
0.375	9.5	2.34 (11.4)	4.8 (23.4)



HIGH RESISTANCE TO ABRASION

LEXAN MARGARD sheet has a unique, hard surface coating which may provide a high level of protection against unsightly scratching, so it's ideal for use in applications where frequent contact is likely.

HIGH RESISTANCE TO THE EFFECTS OF WEATHERING

The surface coating of LEXAN MARGARD sheet enhances protection against performance losses and yellowing caused by exposure to UV radiation in sunlight.

HIGH RESISTANCE TO CHEMICALS

LEXAN MARGARD sheet has high resistance to many chemicals such as cleaning fluids, paints and adhesives. Its unique surface coating, therefore, enables easy restoration to 'good as new' condition.

THERMAL INSULATION BENEFITS

In both summer and winter, LEXAN MARGARD sheet's low thermal conductivity results in improved comfort and operational efficiency in a closed cab environment.



CONTACT US:

Americas

SABIC
Specialty Film & Sheet
One Plastics Avenue
Pittsfield, MA 01201
USA
800 323 3783 (toll-free)
T 1 413 448 6655
F (888) 443 2033
E spinside.sales@sabic.com

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FIGURE 3 TABER ABRASION
ASTM D1044 test at 500 cycles

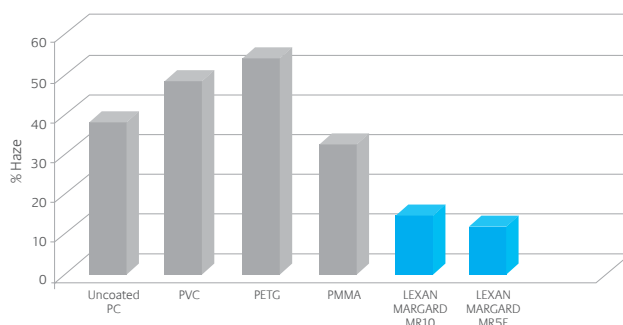


FIGURE 4 THE UNIQUE PROPRIETARY TECHNOLOGY APPLIED TO LEXAN SHEET BLOCKS THE UV RAYS OF SUNLIGHT

