

CHEMISTRY THAT MATTERS™

سابك
sabic

HIGH OPTICAL QUALITY LEXAN™ OQ SHEET PORTFOLIO - AMERICAS

GLAZING SOLUTIONS





LOOKING FOR MAXIMUM
PROTECTION WITH BEST
IN CLASS OPTICS?

WE HAVE THE SOLUTION!

LEXAN™ HIGH OPTICAL QUALITY SHEET PORTFOLIO

Based on high-performance LEXAN™ resin, SABIC's portfolio of solid polycarbonate sheet products help our customers develop lightweight, durable parts with best-in-class performance across a wide variety of industries. These virtually unbreakable LEXAN sheet products are available in clear and a wide range of transparent, translucent, and opaque colors that are available with optional UV protection on one or both sides.

Now introducing a new portfolio of virtually unbreakable, high optical quality, LEXAN™ sheet portfolio of polycarbonate (PC) products which combines crystal clear transparency with lightweight and features outstanding low ripple and distortion, including an extremely low number of optical defects.

In addition to developing a tailored resin, SABIC Functional Forms have engineered equipment and processes to significantly reduce visual defects and achieve the lowest levels of distortion. This new industry leading sheet is available with a proprietary 10-year UV coating on one or both sides for abrasion and chemical resistance!

POTENTIAL APPLICATIONS:

- Construction vehicles
- Heavy-construction vehicles
- Forestry and agricultural vehicles
- Visors (Bomb Visors, Astronaut Helmets)
- High speed train glazing
- Bullet resistant glass-PC laminates
- Anti-ballistic glazing e.g. for VIP, military and police vehicles
- Anti-burglary glazing
- High security glazing (correctional institutions, prisons)
- High security / anti-blast glazing
- Enhanced Displays

STEP CHANGE REDUCTION IN DISCRETE DEFECTS AND OPTICAL DISTORTION ENABLES:

- Higher yields / predictable production planning
- A better product for your customers
- New applications for polycarbonate sheet

BENEFITS:



HIGH OPTICAL QUALITY
LEXAN SHEET



HIGH QUALITY IN COMBINATION
WITH COATING



BEST-IN-CLASS DISTORTION
EXTRUDED SHEETS



HIGH IMPACT
RESISTANCE



BEST-IN-CLASS DISCRETE
DEFECTS COUNT EXTRUDED
SHEETS



LIGHTWEIGHT



EXCELLENT CHEMICAL
RESISTANCE

NEW PORTFOLIO PRODUCT NOMENCLATURE

LEXAN™ ULG1003A Sheet

Uncoated Lamination Grade 1003
“A” America’s

LEXAN™ HLG10 Sheet

Hard coated Lamination Grade 10-year
MARGARD™ coating applied to one side

LEXAN™ MROQ Sheet

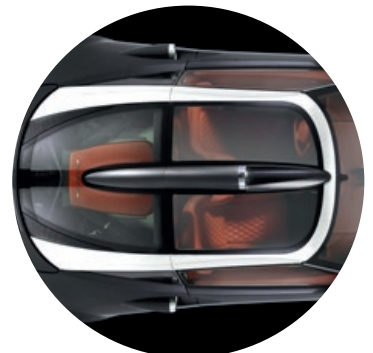
MARGARD Optical Quality
with 10-year coating applied to both sides

PRODUCT AVAILABILITY:

Standard Width : 8ft

Gauge range : 0.118 - 0.250” (3.0 - 6.4 mm)

Color : 112 (clear)



LEXAN™ OQ SHEET PORTFOLIO

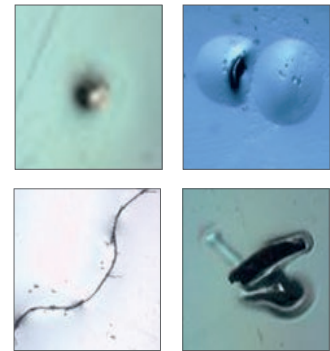
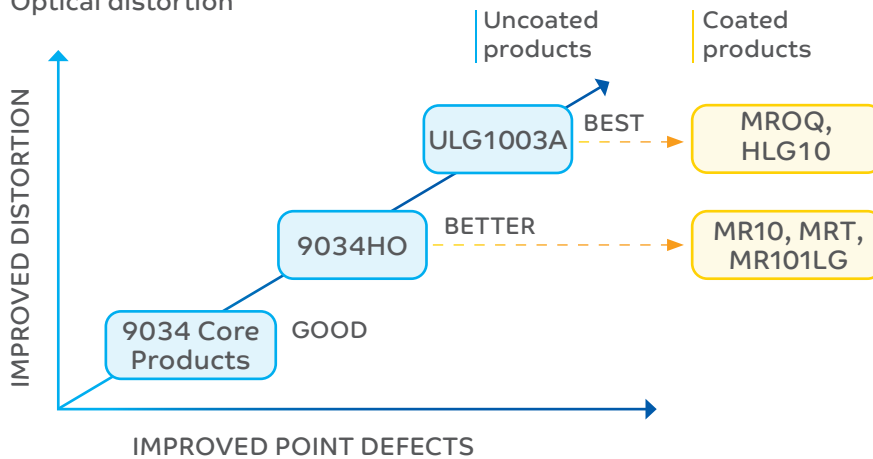
DEFINITION OF OPTICAL QUALITY:

Visual defects (core & surface)

- Gels (un-molten PC), black specs (burned PC)
- Inclusions (foreign particles), air bubbles, fibers
- Coating defects



Optical distortion



LEXAN™ ULG1003A SHEET IS THE HIGHEST OPTICAL QUALITY POLYCARBONATE SHEET PRODUCED IN THE AMERICA'S MARKET!*

This is achieved through:

- Tailored resin formulation
- Process innovation

This new sheet is also available with a proprietary 10-year uv coating on one or both sides for abrasion and chemical resistance!



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