



Lexan®

Polycarbonate Sheet
for glazing applications



Lexan® 9030

Lexan® Exell D®

Lexan® Exell D® ST

Lexan® ST 5000

Lexan



Trust Lexan® polycarbonate sheet for high impact resistance, excellent optical clarity and more...

Manufactured from GE Plastics' proven Lexan polycarbonate resin, the Lexan range of solid sheet materials has become synonymous with high strength, durability and clarity – making it ideal for all kinds of glazing applications, as well as many other uses.

● Extremely high impact resistance

Lexan polycarbonate sheet offers extremely high impact resistance, minimising the risk of breakage – even when subjected to violent blows by heavy objects.



● Excellent light transmission

Transparent Lexan polycarbonate grades allow light transmission of up to 90%.

● Superior fire performance

Unlike many thermoplastic materials used for glazing, Lexan polycarbonate sheet receives high ratings in the major European standard fire performance tests. It is self-extinguishing and difficult to ignite.

● Light weight

With a specific gravity of 1.2, Lexan polycarbonate sheet is significantly lighter than glass, often allowing lighter, simpler supporting structures to be employed.

● Safe and easy to handle and install

The combination of strength and lightness makes Lexan polycarbonate sheet both safe and easy to handle.

It can be cut to size on-site using conventional workshop tools, allowing reduced lead times.

● Excellent thermoforming characteristics

Most Lexan sheet grades can be cold curved or formed into more complex shapes, using conventional thermoforming equipment.

● Diverse product range

Lexan polycarbonate sheet is available in a wide range of grades, thicknesses, and sheet sizes.

● Comprehensive warranties

All Lexan polycarbonate sheet products carry comprehensive, industry-leading warranties against breakage, degradation or loss of performance. See warranties for exact details.

Lexan® Exell D®

UV protected sheet for exterior glazing which resists yellowing.



Lexan Exell D is a range of co-extruded polycarbonate sheet materials with UV protected surfaces on both sides to provide excellent resistance against yellowing, giving improved long-term appearance as well as maintaining high light transmission. This makes it ideal for a wide variety of exterior building and

construction applications – for example, windows, skylights, barrel vaults, sound screens and urban furniture.

The outstanding UV resistant performance of Lexan Exell D is supported by an industry-leading ten-year limited warranty.

Availability*

Grade	Width (mm)	Length (mm)	Thickness (mm)	Standard colour*
Lexan Exell D	1250-2050	2050-6050	2, 3, 4, 5, 6, 8, 9.5, 12	Clear, opal white, bronze

*Other lengths, widths and colours such as grey, blue and green available on request.



Lexan® 9030

The proven standard for protective glazing applications.

Lexan 9030 polycarbonate sheet is the standard sheet grade for transparent protective glazing.

Recommended for interior applications or secondary glazing, Lexan 9030 provides economical protection against vandalism and forced entry, thereby avoiding further re-glazing costs as well as minimising the risk of consequential damage to property. Safety is also enhanced, because Lexan 9030 will not shatter or splinter.

In addition to its strength and durability, Lexan 9030 offers better insulation properties than glass, to contribute to lower energy costs.



Availability*

Grade	Width (mm)	Length (mm)	Thickness (mm)	Standard colour
Lexan 9030	625-1250	1250-2050	0.75, 1, 1.5, 2	Clear, opal white, bronze
	1220-2050	2050-6050	2, 3, 4, 5, 6, 8, 9.5, 12	Clear, opal white, bronze

*Other lengths, widths and colours such as grey, blue and green available on request.



Lexan® Exell D® ST and Lexan® ST 5000

The cost-effective answer for translucent privacy glazing.

Lexan Exell D ST is a UV-protected polycarbonate sheet with an attractive textured surface, giving excellent light diffusion without transparency, making it ideal for exterior privacy glazing applications, such as gates, balustrades and doors.

Like all Lexan sheet grades, Lexan Exell D ST offers extremely high resistance to breakage, excellent fire performance, light weight and ease of handling. Its textured surface also serves to hide any scratching or scuffing which

may result from heavy contact, thereby maintaining its attractive appearance.

Lexan ST 5000 is the non UV-protected, grade which is ideal for interior applications such as shower screens.

Other Lexan solid sheet grades

In addition to those outlined in this brochure, GE Plastics also manufactures a wide range of transparent and opaque Lexan sheet grades for industrial applications and signmaking. For further details of these, please contact GE Plastics Structured Products.



Availability*

Grade	Width (mm)	Length (mm)	Thickness (mm)	Standard colour
Lexan Exell D ST	1250-2050	2050-3050	3, 4, 5, 6, 8	Clear, bronze
Lexan ST 5000	2050	3050	3, 4, 5, 6, 8	Clear, bronze

*Other lengths, widths and colours such as grey, blue and green available on request.

Lexan

Advanced solutions from a trusted world leader

GE Structured Products is the sheet and film division of GE Plastics, with European headquarters in the Netherlands and additional manufacturing operations in Italy and Austria, as well as sales and marketing facilities throughout Europe.

GE Plastics is part of the General Electric Corporation - a global engineering company, manufacturing products as diverse as jet engines, medical equipment and consumer white goods.

As the leading supplier of high performance engineering plastics to

markets in Europe, the United States and Asia Pacific regions, we operate a worldwide network of research, manufacturing and technical service facilities.

Quality is our culture

GE Structured Products operates a comprehensive Total Quality Management system within the procedures of ISO 9000, for which we carry full certification.

Our commitment to quality is evident in all aspects of our organisation, from manufacturing to sales and marketing, with strong emphasis on personal accountability.

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