



PLEXIGLAS®
Solid Sheet

PLEXIGLAS® GS OZ35

Product

PLEXIGLAS® GS OZ35 is a colorless solid sheet made from cast acrylic glass (polymethyl methacrylate, PMMA). Unlike the standard grade PLEXIGLAS® GS OF00, the variety of OZ35 features cross-linking of the polymer structures.

Properties

In addition to the well-known and proven properties of PLEXIGLAS® sheet, such as:

- outstanding surface luster
- extremely high weather resistance
- easy processability
- high surface hardness
- low weight – half the weight of glass
- 11 times more break-proof than glass
- 100% recyclability

PLEXIGLAS® GS OZ35 features improved chemical resistance.

Applications

Because of its improved chemical resistance, PLEXIGLAS® GS OZ35 is especially suitable for manufacturing items, such as:

- shop fittings and displays in perfumeries
- pharmaceutical displays
- laboratory equipment
- protective screens requiring frequent cleaning

Finishing

PLEXIGLAS® GS OZ35 can be processed like standard PLEXIGLAS® GS OF00.

The following processing guidelines for PLEXIGLAS® are available:

- Machining of PLEXIGLAS® (No. 311-1)
- Forming PLEXIGLAS® (No. 311-2)
- Joining PLEXIGLAS® (No. 311-3)
- Surface treatment of PLEXIGLAS® (No. 311-4)
- Tips for finishing PLEXIGLAS® solid sheets (No. 311-5)

Delivery form

PLEXIGLAS® GS OZ35 is available in the format 3050 mm × 2030 mm in various thicknesses on request.



Technical data			
Physical properties colorless, 3 mm thick)	PLEXIGLAS® GS 0Z35	Unit	Test standard
Mechanical properties			
Density	1.19	g/cm ³	ISO 1183
Impact strength (Charpy)	15	kJ/m ²	ISO 179/1fu
Elastic modulus (E _t)	3250	MPa	ISO 527-2/1B/1
Thermal properties			
Vicat softening temperature	115	°C	ISO 306
Optical properties			
Transmittance (3 mm thickness)	92	%	DIN 5036-3
Refractive index	1.49	-	ISO 489

These technical details are guideline values. Actual values may differ slightly in series production.

For further typical values, please refer to the Technical Information on PLEXIGLAS® GS/XT (211-1). The relevant typical values are those given for PLEXIGLAS® GS 0F00.

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® = registered trademark

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