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Röhm Plexiglas

NEW: PLEXIGLAS RESIST® HP

- *tough material available in many colors*
- *also with matte surfaces*
- *improved chemical resistance*
- *small minimum order quantities*



PLEXIGLAS RESIST® HP



*PLEXIGLAS RESIST® HP cast sheets combine the merits of high-quality cast PLEXIGLAS® GS and extruded, impact-modified PLEXIGLAS RESIST® 45, 65, 75 and 100 in one novel, **high-performance plastic**. Hence the name **HP!** PLEXIGLAS RESIST® HP shows extreme weather resistance and requires no additional UV protection, unlike other plastics. PLEXIGLAS RESIST® HP has the same outstanding optical qualities as cast PLEXIGLAS®.*



A Successful Synthesis...

... for a wide choice of colors

PLEXIGLAS RESIST® HP can be manufactured in **all the colors** and thicknesses of the extensive PLEXIGLAS® GS range.

The **minimum order quantity**, on the other hand, is pleasantly small, along the same lines as PLEXIGLAS® GS.



... for a wide choice of surfaces

PLEXIGLAS RESIST® HP is available with smooth surfaces, or with one (SC) or two (DC) matte surfaces.

... for improved chemical and physical properties

Compared with PLEXIGLAS RESIST®, grades 45 to 100, PLEXIGLAS RESIST® HP possesses even **higher chemical resistance**. It offers a higher permanent service temperature (80°C) and greater rigidity (higher elastic modulus).

... for safer handling

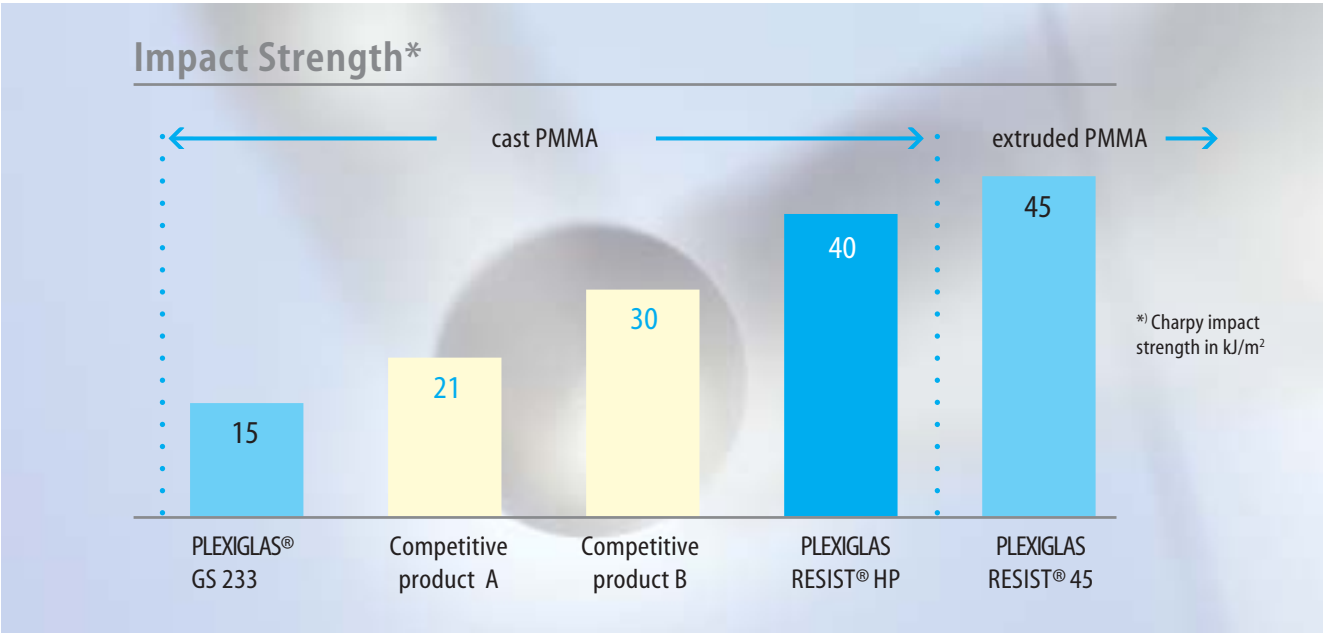
PLEXIGLAS RESIST® HP is much more break-resistant than cast acrylic. If it breaks, the edges are blunt, thus offering greater safety during transportation, fabrication, installation and use.



High-Performance Solutions



PLEXIGLAS RESIST® HP: Custom-Tailored Impact Strength



The above graph illustrates the impact strength of PLEXIGLAS RESIST® HP sheets as compared with the cast basic grade PLEXIGLAS® GS 233 and extruded PLEXIGLAS RESIST® 45, as well as impact-modified, cast grades of acrylic from other manufacturers.

Sales Range of Impact-Modified Solid Sheets Made from PLEXIGLAS RESIST® HP

PLEXIGLAS RESIST® HP solid sheets are supplied with high-gloss or matte surfaces, masked on both sides with protective PE film.

PLEXIGLAS RESIST® HP

NEW

Sheet Size: 3050 x 2030 mm	Sheet Thickness in mm					
	3	4	5	6	8	10
• Clear	○	○	○	○	○	○
• White grades (like PLEXIGLAS® GS)	○	○	○	○	○	○
• Colored grades (like PLEXIGLAS® GS)	○	○	○	○	○	○

Other sizes/cut-to-size sheets, other levels of impact strength, thickness up to 30 mm on request.

PLEXIGLAS RESIST® 45 / 65 / 75 / 100

Sheet Size: 3050 x 2050 mm	Sheet Thickness in mm					
	2	3	4	5	6	8
Clear						
• PLEXIGLAS RESIST® 45	●	●	●	●	●	●
• PLEXIGLAS RESIST® 65	●	●	●	●	●	●
• PLEXIGLAS RESIST® 75	●	●	●	●	●	●
• PLEXIGLAS RESIST® 100	●	●	●	●		
White						
• PLEXIGLAS RESIST® 65		●	●	●		
• PLEXIGLAS RESIST® 75		●	●	●		

Special range: greater lengths, colors, other sizes/cut-to-size sheets, other levels of impact strength, thickness up to 20 mm on request.

● = Standard range (available from stock)

○ = Special range



Certified to DIN EN ISO 9001 (quality)
and DIN EN ISO 14001 (environment)

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