



# PRODUCT DATA SHEET

## Repsol Glass®

### 1. Trade name

Repsol Glass® - standard quality

### 2. Description

Repsol Glass® cast acrylic sheets complies with the international standard ISO 7823-1.

Repsol Glass® contains UV-absorber.

Please refer to "Technical Specifications"

### 3. Production program

Sizes and thickness: please see the production program.

**Colours:** Standard colours according to colour swatch. Special colours according to agreement.

**Surfaces:** Gloss/gloss  
patterned one or two sides (M/MM)  
non-reflecting one or two sides (R/RR)  
soft satin one side (SR)

### 4. Protection films

#### **SHEETS:**

Repsol Glass® with gloss/gloss surface is supplied with a thermoformable PE-film on both sides. The Repsol YPF logo is printed on the "upper"-side of the sheets.

Sanitary and thermoformable sheets are supplied with above film - without print.

Repsol Glass® with non-reflecting surface is supplied with a clear self-adhesive-film on the non-reflecting side.

Both types of film cover the entire sheet.

#### **BLOCKS:**

Repsol Glass® is supplied with a clear PE-film on both sides.

### 5. Tolerance



**Sheet sizes:** Sizes up to 1250 x 2500 mm.  $\pm$  1.5 mm. length and width.  
Sizes over 1250 x 2500 mm.  $\pm$  2.5 mm. length and width.

**Panel size:** Edge length < 1000 mm:  $\pm$  0,5 mm.  
Edge length 1000 – 2000 mm.:  $\pm$  1.0 mm.  
Edge length > 2000 mm.:  $\pm$  1,5 mm.

**Perpendicularity:** Max. 1.5 mm. per 1000 mm. edge length.

**Thickness:**

**SHEETS:**

For all sheets with a gloss surface:

|                          |           |
|--------------------------|-----------|
| 2.0 + 2.5 mm. thickness  | $\pm$ 20% |
| 3.0 mm. thickness        | $\pm$ 15% |
| 4-0 - 25.0 mm. Thickness | $\pm$ 10% |

For patterned or non-reflecting sheets:  
0,4 mm  $\pm$  10% (DIN 16 957)

**BLOCKS: 2000 x 1200mm**

| <u>Nominal thickness in mm.</u> | <u>mm min.-</u> | <u>mm max</u> |
|---------------------------------|-----------------|---------------|
| 30                              | 28,5            | 31,5          |
| 35                              | 33,3            | 36,7          |
| 40                              | 38,0            | 42,0          |
| 45                              | 43,2            | 47,2          |
| 50                              | 48,0            | 52,5          |
| 55                              | 52,8            | 57,8          |
| 60                              | 57,6            | 63,0          |
| 65                              | 63,0            | 69,6          |
| 70                              | 67,9            | 74,9          |
| 75                              | 72,7            | 79,5          |
| 80                              | 77,6            | 84,8          |
| 85                              | 82,5            | 90,1          |
| 90                              | 87,3            | 95,4          |
| 95                              | 92,2            | 100,7         |
| 100                             | 97,0            | 106,0         |

**BLOCKS: 2000 x 1000mm**

| <u>Nominal thickness in mm.</u> | <u>mm min.-</u> | <u>mm max</u> |
|---------------------------------|-----------------|---------------|
| 110                             | 107,0           | 120,0         |
| 120                             | 117,0           | 130,0         |
| 130                             | 126,0           | 140,0         |
| 140                             | 135,0           | 150,0         |
| 150                             | 145,0           | 160,0         |
| 180                             | 173,0           | 192,0         |
| 200                             | 192,0           | 215,0         |
| 250                             | 240,0           | 265,0         |

**BLOCKS: 3000 x 2000mm**



| <u>Nominal thickness in mm.</u> | <u>mm min.-</u> | <u>mm max</u> |
|---------------------------------|-----------------|---------------|
| 30                              | 27,0            | 33,0          |
| 40                              | 37,0            | 43,0          |
| 50                              | 47,0            | 53,0          |
| 60                              | 57,0            | 63,0          |
| 70                              | 68,0            | 75,0          |

**Planeness:** In their basic construction the sheets are flat, but due to production-, temperature-, and storage related factors, minor curvature may occur.

## **6. Optical demands**

The surface of the sheet is smooth and clean.

On sheets with a patterned or non-reflective surface, the structure appears homogenous all over the sheet.

Positive or negative surface defects, e.g. scratches or marks larger than 3 mm<sup>2</sup> or of a size over 5 mm. must not occur.

Material defects, e.g. blisters over 3 mm<sup>2</sup> or defects of a size larger than 5 mm. must not occur.

Defects smaller than the above-mentioned must not occur with a density of below 500 mm.

Defects of an extent of less than 1 mm<sup>2</sup> and shorter than 1 mm. are allowed to occur with a larger density than 500 mm.

## **7. Edges**

The edges of the sheets are clean and without major cracks or chips.

## **8. Colours**

Coloured sheets are produced according to an originally fixed colour sample.

The dyeing is homogenous all over the sheet. It must not show impurities or flocculation by transillumination. However, it must be noted that some colours are not applicable for transillumination. Such colours are therefore not controlled for this.

Colour pigments or pastes are resistant up to 180° C. for 20 minutes by heat forming.

## **9. Marking**

All sheets are clearly marked with the following information,

Type  
Size  
Thickness  
Colour  
Surface