

# Technical information

## Specification for transparent cuts and sheets

### Standard quality

#### Assessment of optical defects based on size

Optical defects may occur in cuts and sheets made of transparent plastic. These include bubbles, dust particles, surface defects and inclusions in the material.

Below table shows maximum number of such optical defects on a surface measuring 100 x 100 cm.



Size of defects	Material thickness				
	≤ 5 mm	6 mm	8 mm	10 mm	≥ 12 mm
> 4.0 mm <sup>2</sup>	0	0	0	0	0
> 1.5 mm <sup>2</sup> – 4.0 mm <sup>2</sup>	1	1	1	1	1
> 0.5 mm <sup>2</sup> – 1.5 mm <sup>2</sup>	2	2	3	3	4
> 0.25 mm <sup>2</sup> – 0.5 mm <sup>2</sup>	12	14	19	24	33
≤ 0.25 mm <sup>2</sup>	acceptable				

The term 'acceptable' in the table stands for: Any defect on the test surface smaller than 0.25 mm<sup>2</sup> that has not adverse effect on the material. These defects are so small that the transparency of the plastic is not affected.

All information based on current knowledge and experience. Information provided shall not exempt the contractor or user from conducting own tests. A legally binding warranty as to product features or its suitability for specific purposes may not be derived therefrom. Compliance with any proprietary rights as well as existing laws or regulations is the responsibility of the recipient of our products. No liability assumed for printing and any other errors. Technical data subject to change without notice. Reproduction or duplication of this document or its contents – whole or in part – is only permitted with express approval by noltewerk. As of 0324



transparent  
plastics