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 mm²	0	0	0	0	0
> 1.5 mm² – 4.0 mm²	1	1	1	1	1
> 0.5 mm² – 1.5 mm²	2	2	3	3	4
> 0.25 mm² – 0.5 mm²	12	14	19	24	33
≤ 0.25 mm²	acceptable				

The term 'acceptable' in the table stands for: Any defect on the test surface smaller than 0.25 mm² that has not adverse effect on the material. These defects are so small that the transparency of the plastic is not affected.

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transparent plastics

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