Technical information

Specification for coated cuts and sheets
Premium quality

Assessment of optical defects based on size

Optical defects may occur in coated 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 40 x 40 cm.

Size of defects	Number of defects
> 2.5 mm	0
> 1.5 – 2.5 mm	0
> 1.0 – 1.5 mm	1
> 0.5 – 1.0 mm	14
> 0.25 – 0.5 mm	30
≤ 0.25 mm	acceptable
Maximum number	30

The term ‘acceptable’ in the table stands for: Any defect on the test surface smaller than 0.25 mm 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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