

OPTICAL SPECIFICATION

MANUFACTURER

Foamalite Ltd.
Loch Gowna Co. Cavan
Ireland

PRODUCT

LUMEX® A 0.5 mm – 6.0 mm: flat sheets made of amorphous Polyethylene Terephthalate (A-PET)
LUMEX® G 0.8 mm – 10.0 mm : flat sheets made of modified Polyethylene Terephthalate (PET-G)

SURFACE DEFECTS

The sheet shall have a smooth surface. There shall be no scratches, marks or other surface defects larger than 4 mm² each anywhere in the sheet.

INCLUSION DEFECTS

There shall be no bubbles, foreign-matter inclusions, cracks or other defects that could adversely affect the performance of the sheet in its intended application. In the case of inclusions, there shall also be none which are larger than 2 mm² each anywhere in the sheet.

DISTRIBUTION OF DEFECTS

SAMPLE SIZE 300 x 300 mm

BLACK SPOTS

Size of Defect (mm)	Number of defects (applicable for all sheet thicknesses)
>2	0
>1.5 - 2	1
>1 - 1.5	1
>0.5 - 1	2
>0.25 - 0.5	4
<0.25	Allowed

Total combination of defects specified above

5

CLEAR INCLUSIONS (bubbles)

Size of Defect (mm)	Number of defects (applicable for all sheet thicknesses)
>2	0
>1.5 - 2	1
>1 - 1.5	3
>0.5 - 1	7
>0.25 - 0.5	25
<0.25	Allowed

Total combination of defects specified above

30