

PLEXIGLAS® FILM WHITE WF007

PRODUCT DATA SHEET

PRODUCT

PLEXIGLAS® Film WF007 is a high weather resistant and glossy white acrylic film for destructible labels and tapes.

The film is 100% acrylic based and therefore it contains no plasticizer and it is a completely PVC- and halogen-free polymer.

Thanks to its proprietary acrylic polymer formulation, the film displays a defined low elongation at break and high crack propagation.

Due to its excellent performance under long term weathering and UV light exposure, PLEXIGLAS® Film WF007 does not present color change or yellowing.

Its glossy and very smooth surface leads the film to have an excellent graphic quality surface.

APPLICATION

PLEXIGLAS® Film WF007 is used as a single face layer in high UV and weathering resistant destructible labels and tapes.

PROCESSING

PLEXIGLAS® Film white WF007 displays good printability behavior in all printing technologies such as gravure, flexography and digital.

PLEXIGLAS® Film WF007 can be coated with pressure sensitive adhesives (PSA), hot-melt adhesive or solvent based adhesives.

The film also displays a very good behavior on roll-to-roll processing technologies such as printing, cutting and PSA lamination.

The film can be easily cut-to-size or die cut.

SALES RANGE

PLEXIGLAS® Film WF007 is delivered in standard rolls of 50 µm thickness, 1400 mm width and 1000 m length.

Tailor made rolls can be produced, under prior commercial agreement.

TECHNICAL DATA

Properties	Test method	Unit	Value
Optical			
Luminous transmittance (D65)		%	81
L* (in reflection, D65)			92,6
a* (in reflection, D65)	DIN 5033 (8°/di), ISO 17223,		-1,0
b* (in reflection, D65)	ISO 11664		-1,2
Color coordinates x (in reflection, D65)			0,310
Color coordinates y (in reflection, D65)			0,329
UV transmittance (280 – 380 nm)	DIN EN 410	%	0
Gloss (R20°/60°/85°) Top side	ISO 2813		46 / 77 / 95
Mechanical			
Tensile stress at yield	ISO 527-3	MPa	41
Nominal strain at break	ISO 527-3	%	25
Thermal			
Glass transition temperature Tg (DSC)	ISO 11357	° C	101
Miscellaneous			
Accelerated weathering resistance	ISO 4892-2 method A, cycle 1	h	10000, No visible change
Specific gravity	DIN 53479	g/cm ³	1,28
Mass per unit area	ISO 1183	g/m ²	64
Surface tension	DIN 53364	mN/m	36

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Certified to DIN EN ISO 9001 (Quality) and DIN EN ISO 14001 (Environment)

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