

PLEXIGLAS® Film 0F079

Product Data Sheet

Product

PLEXIGLAS® Film 0F079 is a glossy transparent acrylic film for ultra-destructible labels and tapes.

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

Characteristic to its acrylic polymer formulation, the film shows a defined low elongation at break and a high crack propagation which provides an unique ultra-destructibility safety feature while maintaining its long shelf life.

Its glossy and very smooth surface leads the film to have an excellent graphic quality surface. Therefore you can create an easy a “No label Look”.

Application

PLEXIGLAS® Film 0F079 is used as a facestock layer or clear overlay in laminate systems for ultra-destructible safety labels, tapes, cards and documents.

Processing

PLEXIGLAS® Film 0F079 displays good printability behavior in all printing technologies such as gravure, flexography and digital.

PLEXIGLAS® Film 0F079 can be coated with pressure sensitive adhesives (PSA), hot-melt adhesive or solvent based adhesives.

The film also displays excellent performance on roll-to-roll processing technologies such as printing, cutting and PSA/Liner lamination. The film performs very well during slitting and die cutting.

Sales range

PLEXIGLAS® Film 0F079 is delivered in standard rolls of 50µm thickness, 1400mm width and 3.000m length. The film is protected by masking film on one side.

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

Technical data

Properties	Test method	Unit	Value
Optical			
Luminous transmittance τ_{D65}	ISO 13468-2 %	%	92
UV transmittance (280 – 380 nm)	DIN EN 410:2011	%	90
Refractive Index	ISO 489	%	1,49
Mechanical			
Tensile stress at yield (σ_y)	ISO 527-3	MPa	72
Nominal strain at break (ϵ_b)	ISO 527-3	%	5 – 15
Thermal			
Glass transition temperature T_g (DSC)	ISO 11357	° C	110
Miscellaneous			
Specific gravity	DIN 53479	g/cm ³	1,17
Surface tension	DIN 53364	mN/m	38 – 42

* = registered trademark PLEXIGLAS is a registered trademark of Evonik Röhm GmbH, Darmstadt, Germany.
Certified to DIN EN ISO 9001 (Quality) and DIN EN ISO 14001 (Environment)

Evonik is a worldwide manufacturer of PMMA products sold under the PLEXIGLAS® trademark on the European, Asian, African and Australian continents and under the ACRYLITE® trademark in the Americas.

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Evonik Performance Materials GmbH

Acrylic Products

Kirschenallee, 64293 Darmstadt, Germany

films@evonik.com www.plexiglas.net www.evonik.com

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