

PLEXIGLAS® Film 0F043

Product Data Sheet

Product

PLEXIGLAS® Film Clear 0F043 is a weather resistant, glossy, and transparent acrylic film, especially developed for laminates. The film shows an excellent bonding behaviour to melamine based resins.

Application

PLEXIGLAS® Film Clear 0F043 is used as interlayer film in High Pressure Laminates (HPL)

Processing

PLEXIGLAS® Film Clear 0F043 shows a very good printing performance such as gravure printing.

PLEXIGLAS® Film 0F043 can be laminated in between PLEXIGLAS® Film and polymeric substrates such as films or extruded sheets based on PVC, PC, ABS, PMMA, and ASA by in-line or roll-to-roll heat lamination.

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

Sales range

PLEXIGLAS® Film clear 0F043 is delivered on rolls, in a thickness of 75 µm and a width of 1880 mm.

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	%	< 2
Refractive Index	ISO 489	%	1,49
Mechanical			
Tensile stress at yield (σ_y)	ISO 527-3	MPa	47
Yield strain (ϵ_y)	ISO 527-3	%	6
Nominal strain at break (ϵ_B)	ISO 527-3	%	> 25
Thermal			
Glas transition temperatur Tg (DSC)	ISO 11357	° C	97
Miscellaneous			
Accelerated weathering resistance	ISO 4892-2 method A, cycle 1, 65% RH	h	-
Specific gravity	DIN 53479	g/cm ³	1,14
Surface tension	DIN 53364	mN/m	50

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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 Polymers

Kirschenallee, 64293 Darmstadt, Germany

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

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