

Technical information

EUROPLEX® HC Film 0F024

Product Data Sheet

Product

EUROPLEX® HC Film 0F024 is a clear transparent lamination film based on Polymethylmethacrylate, Polybutylacrylate elastomer and PVDF. The special feature of EUROPLEX® HC Film 0F024 is the active bonding to melamine resins.

Application

Due to its good chemical adhesion to melamine resin, EUROPLEX® HC Film 0F024 is suitable to counterbalance on compact laminates in combination with EUROPLEX® HC films.

EUROPLEX® HC Film 0F024 is typically laminated onto the backside of High Pressure Laminates („HPL“).

Processing

Process temperatures of 145°C to 155°C as well as pressing pressures between 70 to 100 bars are recommended in to achieve a proper chemical bonding.

Sales range

EUROPLEX® HC Film 0F024 is delivered on rolls of 2000 lm, in a thickness of 50 µm and a width of 1260 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	%	< 1
Refractive Index	ISO 489	%	-
Mechanical			
Tensile stress at yield (σ_y)	ISO 527-3	MPa	37
Yield strain (ϵ_y)	ISO 527-3	%	6
Nominal strain at break (ϵ_B)	ISO 527-3	%	100
Thermal			
Glass transition temperatur T_g (DSC)	ISO 11357	°C	-
Miscellaneous			
Accelerated weathering resistance	ISO 4892-2 method A, cycle 1, 65% RH	h	-
Specific gravity	DIN 53479	g/cm ³	1,19
Surface tension	DIN 53364	mN/m	-

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

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