

PLEXIGLAS® Film 99524

Product Data Sheet

Product

PLEXIGLAS® Film 99524 is a highly transparent PMMA film with outstanding optical clarity and a graphic surface finish.

Due to its glossy and very smooth surface, PLEXIGLAS® Film 99524 is recommended for high quality printing.

PLEXIGLAS® Film 99524 performs satisfactorily for indoor applications retaining high light transmission over time.

Application

As decorative film for Insert Mold Decorating (IMD), PLEXIGLAS® Film 99524 provides a unique high quality finish or decorative layer for injection moulding parts.

PLEXIGLAS® Film 99524 can be used to produce highly transparent parts where a clear and thin acrylic layer surface is needed as an economical alternative for injection moulding process.

High quality displays and graphic art panels are achieved with PLEXIGLAS® Film 99524.

Processing

PLEXIGLAS® Film 99524 shows a very good printing performance to achieve high graphic printings.

The film shows good cutting characteristics via slitting and die-cutting processes; very good cutting edges can be achieved.

PLEXIGLAS® Film 99524 can easily be formed.

Sales range

PLEXIGLAS® Film 99524 is supplied in thickness of 175, 250, 375, 500, and 750µm on rolls.

Technical data

Properties	Test method	Unit	Value
Optical			
Luminous transmittance τ_{D65}	ISO 13468-2	%	92,3
UV transmittance (280 – 380 nm)	DIN EN 410:2011	%	12,2
Refractive Index	ISO 489	%	1,49
Mechanical			
Tensile stress at yield (σ_y)	ISO 527-3	MPa	55
Yield strain (ϵ_y)	ISO 527-3	%	10
Nominal strain at break (ϵ_B)	ISO 527-3	%	59
Thermal			
Glass transition temperature Tg (DSC)	ISO 11357	° C	113
Miscellaneous			
Accelerated weathering resistance	ISO 4892-2 method A, cycle 1, 65% RH	h	6000 No visible changes
Specific gravity	DIN 53479	g/cm ³	1,17
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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