

ACRYLITE® Film 99524

Product Data Sheet

Product

ACRYLITE® 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, ACRYLITE® Film 99524 is recommended for high quality printing.

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

Application

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

ACRYLITE® 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 ACRYLITE® Film 99524.

Processing

ACRYLITE® 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.

ACRYLITE® Film 99524 can be easily formed.

Sales range

ACRYLITE® Film 99524 is supplied in thickness of 175, 250, 375, 500, and 750µm on rolls and 1mm thickness on sheet form.

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	%	-	
Refractive Index	ISO 489	%	1,49	
Mechanical				
Tensile stress at yield (σ_y)	ISO 527-3	MPa	56	
Yield strain (ϵ_y)	(175 μ m / 375 μ m)	ISO 527-3	%	7 / 10
Nominal strain at break (ϵ_b)	(175 μ m / 375 μ m)	ISO 527-3	%	> 10 / >30
Thermal				
Glas transition temperatur Tg (DSC)	ISO 11357	°C	113	
Miscellaneous				
Accelerated weathering resistance	ISO 4892-2 method A, cycle 1, 65% RH	h	3000 No visible change	
Specific gravity	DIN 53479	g/cm ³	1,17	
Surface tension	DIN 53364	mN/m	50	

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