

Technical Information

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 and 1000µm as a sheet.

TECHNICAL DATA

Properties	Test method	Unit	Value					
Dimensions								
Thickness		μm	175	250	375	500	750	1000
Format		-	roll	roll	roll	roll	roll	sheet
Width		mm	1270	1270	1270	1270	1270	1250
Length		m	1000	900	500	500	200	2,15
Optical								
Luminous transmittance (D65)	ISO 13468-2	%	> 91					
UV transmittance (280 – 380 nm)	DIN EN 410:2011	%	<15	<8	<4	<3	<1	<1
Refractive Index	ISO 489	%	1,49					
Mechanical								
Tensile stress at yield (σ_y)	ISO 527-3	MPa	> 54					
Nominal strain at break (ϵ_b)	ISO 527-3	%	> 35					
Thermal								
Glass transition temperature T_g (DSC)	ISO 11357	° C	113					
Miscellaneous								
Specific gravity	DIN 53479	g/cm ³	1,17					

° = 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 Industries 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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