

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 1 mm thickness on sheet form.

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

® = 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 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.

This information and all further technical advice is based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

Evonik Performance Materials GmbH

Acrylic Polymers

Kirschenallee, 64293 Darmstadt, Germany

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

Ref. No. 239-25 July 2015