



## PLEXIGLAS® Film 99524

### 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 750 µm on rolls and 1000 µm 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 (D65/10°)	DIN EN ISO 11664	%	> 91					
UV transmittance (280 – 380 nm)	DIN EN 410	%	<15	<8	<4	<3	<1	<1
Refractive Index	DIN EN ISO 489		1,49					
Mechanical								
Tensile yield stress ( $\sigma_y$ )	DIN EN ISO 527-3	MPa	> 54					
Nominal strain at break ( $\epsilon_{tB}$ )	DIN EN ISO 527-3	%	> 35					
Thermal								
Glass transition temperature Tg (DSC)	DIN EN ISO 11357	° C	113					
Miscellaneous								
Density	DIN EN ISO 1183	g/cm³	1,17					

**Röhm GmbH**  
 Acrylic Products

Riedbahnstraße 70  
 64331 Weiterstadt  
 Germany

**www.plexiglas.de**  
**www.roehm.com**

® = registered trademark  
 PLEXIGLAS is a registered trademark of Röhm GmbH, Darmstadt, Germany.  
 Certified to DIN EN ISO 9001 (Quality) and DIN EN ISO 14001 (Environment)

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.