

PLEXIGLAS® Film 0F003

PMMA Film

Evonik Industries AG

Message:

PLEXIGLAS® Film 0F003 is a UV and weather resistant acrylic film with one side matt and another side glossy surface. It also presents high light transmission and transparency.

Due its two different surfaces the film provides freedom for different finishing effects after printing and/or molding.

The matt finishing side provides anti-blocking effect in printing processes and a light scattering can be achieved when used in illumination applications.

PLEXIGLAS® Film 0F003 also presents a good scratch resistance when compared to other polymeric films.

Application

The combination among printability, cut-to-size, die cutting, scratch resistance and anti-blocking effect leads PLEXIGLAS® Film 0F003 to be a good material to be used in film decoration in forming, back molding or over molding parts such as automotive, household, home appliances, electronic devices.

In illumination applications, PLEXIGLAS® Film 0F003 provides a very good combination in between light transmission and light diffusion providing a light scattering effect.

General Information			
Features	Antiblocking		
	Excellent Printability		
	Good UV Resistance		
	Good Weather Resistance		
	High Clarity		
	Scratch Resistant		
Uses	Appliances		
	Automotive Applications		
	Electrical/Electronic Applications		
	Household Goods		
	Overmolding		
Appearance	Clear/Transparent		
Forms	Film		
Processing Method	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm ³	DIN 53479
Surface Tension	50	mN/m	DIN 53364
UV Transmittance - 280 - 380 nm	< 5.0	%	DIN EN 410
Accelerated Weathering Resistance - method A, cycle 1, 65% RH ¹	No Visible Change		ISO 4892-2
Films	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	51.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
Yield	13	%	
Break	25	%	

Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	113	°C	ISO 11357-2
Optical	Nominal Value	Unit	Test Method
Gloss			DIN 67530
60° ²	85		
60° ³	2		
Refractive Index	1.490		ISO 489
Transmittance	87.0	%	ISO 13468-2
NOTE			
1.	3,000 hr		
2.	Glossy Side		
3.	Matt Side		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

