

ACRYLITE® Film 18651/45/3 (Preliminary)

Product Data Sheet

Product

ACRYLITE® Film 18651/45/3 is a glossy transparent acrylic film for high destructible labels and tapes.

The film is 100% acrylic based and therefore it contains no plasticizer and it is completely PVC, Halogen-free and odorless polymer.

Its proprietary acrylic polymer formulation, the film displays a defined low elongation at break and high crack propagation which provides an unique high destructibility safety feature.

ACRYLITE® Film 18651/45/3 does not present color change or yellowing over the time.

Its glossy and very smooth surface leads the film to have an excellent graphic quality surface.

Application

ACRYLITE® Film 18651/45/3 is used as a single face layer or clear overlay in laminate systems for high destructible safety labels, tapes, cards, and documents.

Processing

ACRYLITE® Film 18651/45/3 displays good printability behavior in all printing technologies such as gravure, flexography and digital.

ACRYLITE® Film 18651/45/3 can be coated with pressure sensitive adhesives (PSA), hot-melt adhesive or solvent based adhesives.

The film also displays a very good behavior on roll-to-roll processing technologies such as printing, cutting and PSA lamination.

The film can be easily cut-to-size or die cut.

Sales range

ACRYLITE® Film 18651/45/3 is delivered in standard rolls of 50µm thickness and 1050 or 1270mm width.

Tailor made rolls can be produced, under prior commercial agreement.

Technical data

Properties	Test method	Unit	Value
Optical			
Luminous transmittance \cdot D65	ISO 13468-2	%	92
Refractive Index	ISO 489	%	1,49
Mechanical			
Tensile stress at yield (σ_y)	ISO 527-3	MPa	60,8
Nominal strain at break (ϵ_B)	ISO 527-3	%	8,4
Thermal			
Glass transition temperature Tg (DSC)	ISO 11357	° C	112
Miscellaneous			
Specific gravity	DIN 53479	g/cm ³	1,17
Surface tension		mN/m	50

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 expressed 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 technical 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 should be used.

Evonik Industries is a worldwide manufacturer of PMMA products sold under the ACRYLITE® trademark in the Americas and under the PLEXIGLAS® trademark in the European, Asian, African, and Australian continents. ©Evonik Cyro LLC. All rights reserved.

Printed in the USA.

Distributed by:



www.polymerfilms.com

Film East: Tyngsboro, MA | 978-226-0021
Film Central: Naperville, IL | 630-428-4350
Film West: Fresno, CA | 559-383-3456
Film Canada: Brampton, ON | 905-789-3100
Film Mexico: Apodaca, Nuevo León | 52-81-8369-4688