

ACRYLITE[®] Film White WF007

Product Data Sheet

Product

ACRYLITE[®] Film WF007 is a high weather resistant and glossy white acrylic film for destructible labels and tapes.

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

Thanks to its proprietary acrylic polymer formulation, the film displays a defined low elongation at break and high crack propagation.

Due to its excellent performance under long term weathering and UV light exposure, ACRYLITE[®] Film WF007 does not present color change or yellowing.

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

Application

ACRYLITE[®] Film WF007 is used as a single face layer in high UV and weathering resistant destructible labels and tapes.

Processing

ACRYLITE[®] Film white WF007 displays good printability behavior in all printing technologies such as gravure, flexography and digital.

ACRYLITE[®] Film WF007 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 WF007 is delivered in standard rolls of 50µm thickness and 1270mm width.

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

Technical data

Properties	Test method	Unit	Value
Optical			
Color coordinate x	DIN 5033		0,3584
Color coordinate y	DIN 5033		0,3699
UV transmittance (280 - 380 nm)	DIN EN 410:2011	%	0
Mechanical			
Tensile stress at yield (σ_y)	ISO 527-3	MPa	41
Yield strain (ϵ_y)	ISO 527-3	%	5,7
Nominal strain at break (ϵ_b)	ISO 527-3	%	24,6
Thermal			
Glass transition temperature T _g (DSC)	ISO 11357	°C	101
Miscellaneous			
Accelerated weathering resistance	ISO 4892-2 method A, cycle 1, 65% RH	h	10000 No visible change
Specific gravity	DIN 53479	g/cm ³	1,28
Surface tension	DIN 53364	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