

# Argotec™ 49510R

## General Description

SWM is the world leader in extrusion of thermoplastic polyurethane (TPU) films. Argotec™ 49510R is an uncoated high performance aliphatic TPU film designed for a variety of paint, metal and surface protections. These applications include automotive OEM and aftermarket. Argotec 49510R films are ideal for protection with excellent UV resistance, superior durability, stain resistance, and consistent optical clarity with a high gloss finish.



## Key Benefits:

- Maintain surface appearance with UV and stain resistance (non-yellowing)
- Longevity from highly durable, self-healing, scratch and chip resistance
- Superior appearance with paint like gloss finish
- Operational efficiency during coating process from superior film gauge and gel control
- Customized to end application with a variety of width and gauge options
- Local manufacturing capabilities for just in time delivery

## Typical Properties:

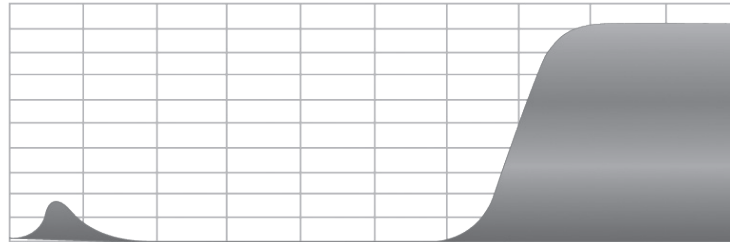
Property / Capability	Test Method	Typical Value
Gauge Ranges	N/A	5.0 - 12.0 mil (125 - 300 micron)
Width Ranges	N/A	49" - 51" (1245mm - 1295mm) 56" - 62" (1422 mm - 1575 mm) 70" - 74" (1778 mm - 1880 mm)
Roll Length	N/A	Up to 22" (559 mm) outside diameter*
Resin Hardness	ASTM D-2240	Shore 85 - 90A
Resin Ultimate Tensile	ASTM D-412	9000 psi (62 MPa)
Resin Ultimate Elongation	ASTM D-412	410%
Gloss at 60 degrees	ASTM D523	90
Light Transmission	ASTM D1003	93%
Haze	ASTM D1003	2%
Accelerated Aging QUVA (340 nm)	N/A	< 2.0 delta YI up to 2500 hours

\*Depends on film gauge, packaging requirements, and plant location

Note: This product is under customer trials, and has not been officially launched in the market.

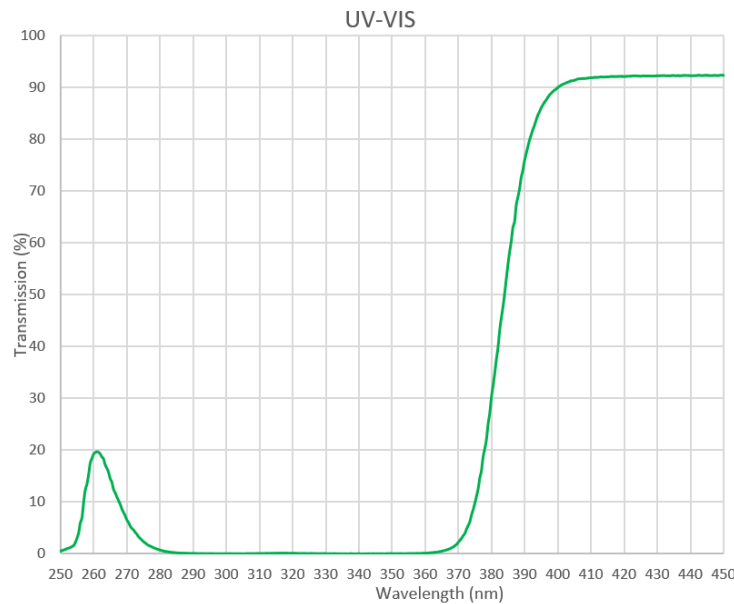
# Argotec 49510R

Accelerated Aging:



QUV using UVA 340 bulb, 8 hours 70°C, 4 hours 50°C condensation

UV Transmission Curve:



11.2022

Copyright © Schweitzer-Mauduit International, Inc. now part of Mativ (2022). All Rights Reserved. Mativ™, SWM™ and ARGOTEC™ are trademarks of Schweitzer-Mauduit International, Inc. ("SWM") or an affiliated company of SWM.

All statements, product characteristics, and performance data contained herein are believed to be reliable based on observation and testing, but no representations, guarantees, or warranties of any kind are made as to accuracy, suitability for particular applications, or the results to be obtained. Nothing contained herein is to be considered to be permission or a recommendation to use any proprietary process or technology without permission of the owner. No warranty of any kind, expressed or implied, is made or intended.