

Argotec™ 49510

General Description

SWM is the world leader in extrusion of TPU films. Argotec 49510 is an uncoated high performance aliphatic thermoplastic polyurethane (TPU) film designed for a variety of paint, metal and surface protections. These applications include automotive OEM and aftermarket. Argotec 49510 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 high 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 variety of width and gauge options
- Local manufacturing capabilities for reduced lead times

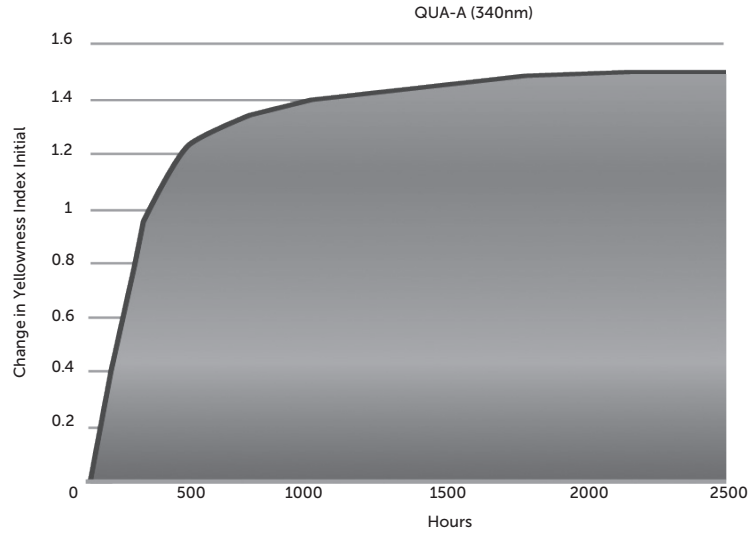
Typical Properties:

Property / Capability	Test Method	Typical Value
Gauge Ranges	N/A	5.0 - 12.0 mil (125 - 300 micron)
Width Ranges	N/A	49" - 56" (1254 mm - 1425 mm) 60" - 62" (1524 mm - 1575 mm) 70" - 74" (1778 mm - 1880 mm)
Roll Length	N/A	Up to 22" (559mm) outside diameter*
Resin Hardness	ASTM D-2240	Shore 85 - 90 A
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 (340nm)		< 2.0 delta YI up to 2500 hours

*Depends on film gauge, packaging, and plant location

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Accelerated Aging:



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

UV Transmission Curve:

