

Argotec™ 46510

General Description

SWM is the world leader in extrusion of TPU films. Argotec™ 46510 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 46510 films are ideal for protection with excellent UV resistance, superior durability, and consistent optical clarity with a high gloss finish. The increased hardness of Argotec 46510 provides enhanced stain resistance as compared to other standard paint protection films.



Key Benefits:

- Maintain surface appearance with UV and enhanced 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 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" (1254 mm - 1295 mm) 56" - 62" (1422 mm - 1575 mm)
Roll Length	N/A	Up to 22" (559mm) outside diameter*
Resin Hardness	ASTM D-2240	Shore 60D
Resin Ultimate Tensile	ASTM D-412	9400 psi (65 MPa)
Resin Ultimate Elongation	ASTM D-412	370%
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

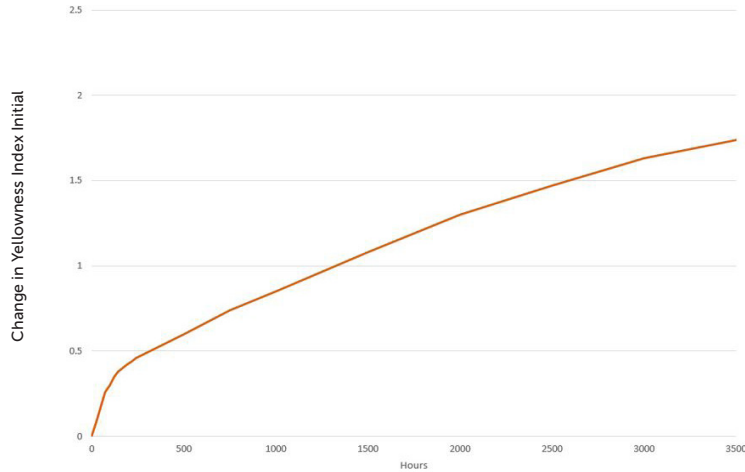
*Depends on film gauge, packaging requirements, and plant location

Advanced
Materials
& Structures

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Accelerated Aging:



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

UV Transmission Curve:

