

Argotec™ 49510-60DV

General Description

SWM is the world leader in extrusion of TPU films. Argotec™ 49510-60DV is an uncoated high performance aliphatic thermoplastic polyurethane (TPU) film with a TPU hard coat top layer designed to protect a variety of paint, metal and surface protections without needing a stain resistance top coating applied. These applications include automotive OEM and aftermarket. Argotec 49510-60DV film is 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 increased stain resistance (non-yellowing)
- Longevity from highly durable, self-healing, scratch and chip resistance
- Superior appearance with consistent optical clarity and gloss
- Operational efficiency during coating process from superior film gauge and gel control
- Customized to end application with variety of width and gauge options

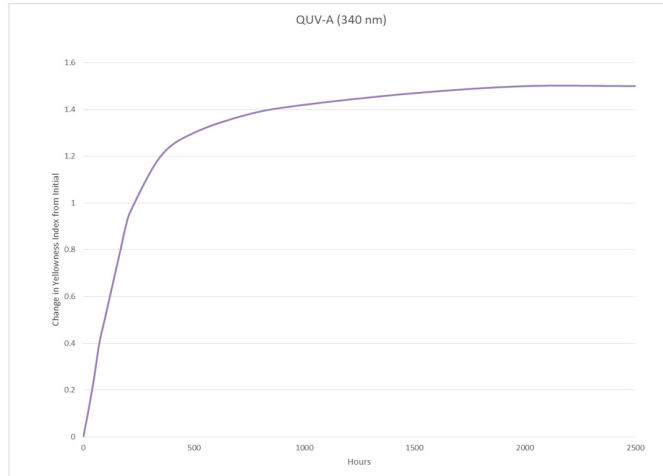
Typical Properties:

Property / Capability	Test Method	Typical Value
Gauge Ranges	N/A	5.0 - 8.0 mil (125 - 200 micron)
Width Ranges	N/A	49" - 51" (1245 mm - 1295 mm) 56" - 62" (1422 mm - 1575 mm)
Roll Length	N/A	Up to 22" (559 mm) outside diameter*
Resin Hardness	ASTM D-2240	Shore 90A with 60D top layer
Resin Ultimate Tensile	ASTM D-412	9000 psi (62 MPa)
Resin Ultimate Elongation	ASTM D-412	405%
Gloss at 60 degrees	ASTM D523	90
Light Transmission	ASTM D1003	93%
Haze	ASTM D1003	2%
Accelerated Aging QUVA (340nm)	N/A	< 2.0 delta YI up to 2500 hours

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

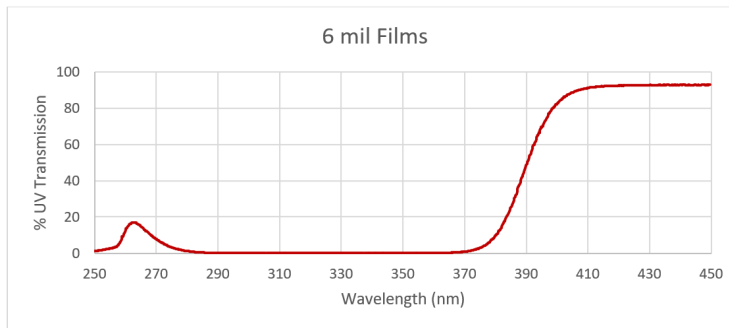
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Accelerated Aging:



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

UV Transmission Curve:



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**Advanced
Materials
& Structures**

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