

# Argotec™ 49511R

## General Description

Argotec, a Mativ brand, is the world leader in extrusion of TPU films. Argotec 49511R 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 49511R films are ideal for protection with excellent UV resistance and superior durability.



### Key Benefits:

- Maintain surface appearance with UV 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 control
- Customized to end application with variety of hardness, width, and gauge options

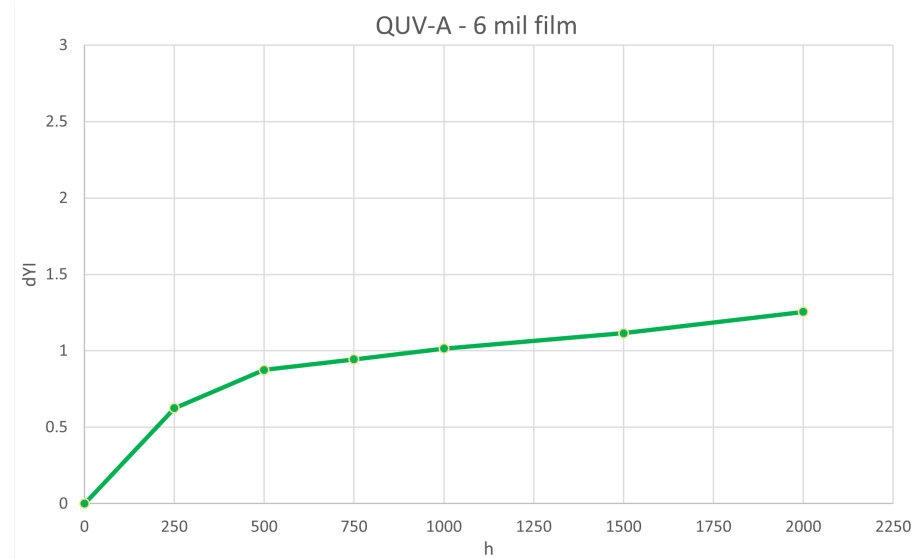
### Typical Properties:

Property / Capability	Test Method	Typical Value
Gauge Ranges	N/A	5.0 - 12.0 mil (125 - 300 micron)
Width Ranges	N/A	49" - 51" (1245 mm - 1295 mm) 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 85A
Resin Ultimate Tensile	ASTM D-412	8000 psi (62 MPa)
Resin Ultimate Elongation	ASTM D-412	380%
Gloss at 60 degrees	ASTM D523	90
Light Transmission	ASTM D1003	93%
Haze	ASTM D1003	2%
Accelerated Aging QUVA (340 nm)	N/A	< 2.5 delta YI up to 2500 hours

\*Depends on film gauge and packaging requirements

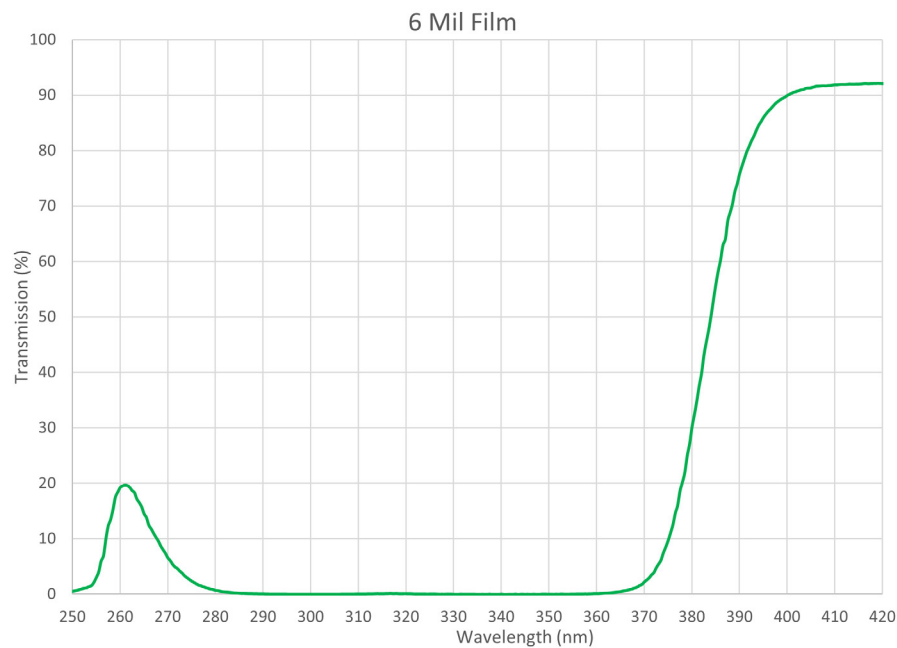
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Accelerated Aging:



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

UV Transmission Curve:



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