

General Description and Use

Argotec SKU Number	TX1540	
Typical application	Performance apparel & footwear	
Polymer	Thermoplastic polyurethane, aromatic polyether	
Extrusion method	Cast-on-polyethylene carrier	
Gauge	≥ 0.2 - 6.0 mils (5 - 152 microns)	
Width	Up to 68 inches (1.73 meters)	
Length	Up to 1000 non-spliced yards (914.4 meters)	
Key attributes	<ul style="list-style-type: none"> ■ Waterproof-breathable ■ Very high MVTR ■ Gloss, smooth or matte surface ■ Soft, quiet, excellent stretch & recovery ■ No processing additives to effect adhesion 	
Typical Properties	Test Method	Value
Specific gravity	D-792	1.22
Durometer	ASTM D-2240	80A
Tensile strength	ASTM D-412	4000 - 5000 psi (27.6 - 34.5 MPa)
Elongation		600 - 700%
Modulus (100%)		550 - 650 psi 3.8 - 4.5 MPa
Tensile set @ 200% elongation		<40%
MVTR 0.5 mil (12 microns) 0.6 mil (15 microns) 1.0 mil (25 microns)	E-96, procedure B upright, 73°F (23°C) at 50% RH	— 800 - 900 g/m ² /24 hr 700 - 800 g/m ² /24 hr
Tear (Die C) 0.6 mil (15 microns) 1.0 mil (25 microns) 2.0 mil (50 microns)	D-624	0.4 lbs (0.18 kg) 0.5 lbs (0.23 kg) 0.8 lbs (0.36 kg)
Nail puncture 0.6 mil (15 microns) 1.0 mil (25 microns) 2.0 mil (50 microns)	ANSI Z-24	1.5 - 1.7 lbs (0.68 - 0.77 kg) 1.7 - 1.9 lbs (0.77 - 0.86 kg) 2.2 - 2.4 kbs (1.0 - 1.08 kg)

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