

# Argothane® TX1540

Thermoplastic Polyurethane Elastomer

Argotec LLC

## Message:

- Applications:  
Performance apparel & footwear, medical
- Characteristics:  
Waterproof-breathable  
Very high MVTR  
Gloss, smooth or matte surface  
Soft, quiet, excellent stretch & recovery  
No processing additives to effect adhesion

General Information			
Features	Breathable		
	Good Stretchability		
	High Gloss		
	High Moisture Vapor Transmission		
	Low to No Water Absorption		
	Soft		
Uses	Consumer Applications		
	Footwear		
	Medical/Healthcare Applications		
Processing Method	Casting		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	80		ASTM D2240
Films	Nominal Value	Unit	Test Method
Water Vapor Transmission <sup>1</sup>			ASTM E96
-- <sup>2</sup>	700 to 800	g/m <sup>2</sup> /24 hr	
-- <sup>3</sup>	800 to 900	g/m <sup>2</sup> /24 hr	
Elastomers	Nominal Value	Unit	Test Method
Tensile Set (200% Strain)	< 40	%	ASTM D412
Tensile Stress (100% Strain)	3.80 to 4.50	MPa	ASTM D412
Tensile Strength	27.6 to 34.5	MPa	ASTM D412
Tensile Elongation (Break)	600 to 700	%	ASTM D412
NOTE			

1.	Procedure B
2.	upright, (23°C) at 50% RH, (25 microns)
3.	upright, (23°C) at 50% RH, (15 microns)

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