

# Argothane® 18103

Thermoplastic Polyurethane Elastomer

Argotec LLC

## Message:

- Applications:
- Textile lamination
  - Medical devices
- Characteristics:
- Smooth surface
  - Soft ether
  - Mid-range softening temperature
  - USP Class VI certified polymer
  - FDA CFR 175.105

General Information			
Features	Soft		
Uses	Laminates		
	Medical Devices		
	Textile Applications		
Agency Ratings	FDA 21 CFR 175.105		
	USP Class VI		
Processing Method	Blown Film		
Hardness	Nominal Value		Test Method
Durometer Hardness (Shore A)	84		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Taber Abrasion Resistance (1000 Cycles, 1000 g, H-22 Wheel)	20.0	mg	ASTM D1044
Elastomers	Nominal Value	Unit	Test Method
Tensile Set	40	%	ASTM D412
Tensile Stress			ASTM D412
100% Strain	6.20	MPa	
300% Strain	9.60	MPa	
Tensile Strength	37.9	MPa	ASTM D412
Tensile Elongation (Break)	540	%	ASTM D412
Tear Strength <sup>1</sup>	80.6	kN/m	ASTM D624
NOTE			
1.	Die C		

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