

Argothane® 18212

Thermoplastic Polyurethane Elastomer

Argotec LLC

Message:

Applications:

Textile lamination

Die cut and seal

Characteristics:

Smooth and matte surfaces

Soft ether

Mid-range softening temperature

USP-certified polymer

FDA CFR 175.105

NSF potable water

General Information			
Features	Soft		
Uses	Laminates		
	Seals		
	Textile Applications		
Agency Ratings	FDA 21 CFR 175.105		
	NSF Unspecified Rating		
	USP Unspecified Rating		
Processing Method	Die Molding		
Hardness	Nominal Value		Test Method
Durometer Hardness (Shore A)	87		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Taber Abrasion Resistance (1000 Cycles, 1000 g, CS-17 Wheel)	5.00	mg	ASTM D1044
Elastomers	Nominal Value	Unit	Test Method
Tensile Set (200% Strain)	21	%	ASTM D412
Tensile Stress			ASTM D412
100% Strain	6.90	MPa	
300% Strain	11.7	MPa	
Tensile Strength	42.7	MPa	ASTM D412
Tensile Elongation (Break)	580	%	ASTM D412
Tear Strength ¹	76.2	kN/m	ASTM D624
NOTE			
1.	Die C		

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