

# Argothane® ST-3995-80

Thermoplastic Polyurethane Elastomer

Argotec LLC

Message:

Applications:

Hot melt adhesive

Textile lamination

Characteristics:

Low melt, high tack for excellent melt adhesion

Enhanced UV stability

Low slip for maximum adhesion to many substrates

Good elasticity for use where soft, rubber-like, low-additive TPU is desired

General Information			
Features	Good Adhesion		
	Low Slip		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR)	49	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	80		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	31.0	MPa	ASTM D638
Tensile Set	20	%	ASTM D638
Tensile Elongation (Break)	450	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D638
100% Strain	8.27	MPa	
300% Strain	13.8	MPa	
Tear Strength <sup>1</sup>	70.0	kN/m	ASTM D624
Thermal	Nominal Value	Unit	Test Method
Continuous Use Temperature	-54.0 to 79.0	°C	ASTM D794
Melting Temperature	150 to 165	°C	
NOTE			
1.	Die C		

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