

Argothane® 3751

Thermoplastic Polyurethane Elastomer

Argotec LLC

Message:

Applications:

Optical interlayer film for glass lamination

Adhesive interlayer for textile lamination, armoring

Characteristics:

Matte finish

Clear, non-yellowing

Low softening point

Interleaf

General Information			
Features	Definition, high		
Uses	Laminate		
	Textile applications		
	Optical applications		
	Adhesive		
Processing Method	Extrusion		
	Film forming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) ¹	5.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	77		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Ultimate)	41.4	MPa	ASTM D412
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% strain	3.31	MPa	ASTM D412
200% strain	8.27	MPa	ASTM D412
300% strain	12.4	MPa	ASTM D412
Tensile Elongation ² (Break)	500	%	ASTM D412
Tear Strength (1.27 mm)	59.5	kN/m	ASTM D1004
Optical	Nominal Value	Unit	Test Method
Refractive Index	1.496		
Transmittance	90.0	%	ASTM D1003
Haze	< 0.50	%	ASTM D1003
Yellowness Index	< 1.0	YI	ASTM D1925

Extrusion instructions

Temp needed for autoclave process: 80 to 150°C Pressure needed for autoclave process: 25 to 200 psi

NOTE

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| 1. | 175°C |
| 2. | Ultimate |

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