

Argothane® D7101

Thermoplastic Polyurethane Elastomer

Argotec LLC

Message:

Applications:

Thermoform

Die cut and seal

Characteristics:

Rigid, thermoformable

High impact resistance

Low moisture absorption

Dimensionally stable

Clear surface

Abrasion resistance

No plasticizers to migrate & cause embrittlement

Resistance to hydrocarbons, chemicals, ozone

Resistance to skin oils

RF, ultrasonic and heat weldable

High draw-down ratio.

General Information			
Features	Good Abrasion Resistance		
	Good Chemical Resistance		
	Good Dimensional Stability		
	Good Drawdown		
	Good Impact Resistance		
	Good Ultrasonic Properties		
	High Clarity		
	High Rigidity		
	Hydrocarbon Resistant		
	Low to No Water Absorption		
	Oil Resistant		
	Ozone Resistant		
	Ultrasonic Weldable		
	Weldable		
Uses	Seals		
	Thermoforming Applications		
Processing Method	Die Molding		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method


Durometer Hardness (Shore D)	72		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	69.0	MPa	ASTM D638
Flexural Modulus	2300	MPa	ASTM D790
Elastomers	Nominal Value	Unit	Test Method
Tensile Elongation (Break)	160	%	ASTM D412
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-40°C, 3.20 mm	59	J/m	
23°C, 3.20 mm	85	J/m	
Extrusion	Nominal Value	Unit	
Melt Temperature	63.0 to 85.0	°C	

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