

ISOTHANE® 1070A

Thermoplastic Polyurethane Elastomer (Polyester)

Great Eastern Resins Industrial Co Ltd (GRECO)

Message:

ISOTHANE 1070A product is polyester poly(adipate)ester based thermoplastic polyurethanes. It exhibits excellent toughness, abrasive resistance, and solvent resistance. The product can be injection molded, blow molded, and extruded.

Suggested Applications:

Seals, Gaskets, Sheets, Film, Tube, Cable, Shoe Sole, Sporting Equipments and Mechanical Goods.

General Information			
Features	Good Abrasion Resistance		
	Solvent Resistant		
	Ultra High Toughness		
Uses	Cable Jacketing		
	Film		
	Footwear		
	Gaskets		
	Machine/Mechanical Parts		
	Seals		
	Sheet		
	Sporting Goods		
	Tubing		
Processing Method	Blow Molding		
	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	70		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Abrasion Resistance	50.0	mm ³	DIN 53516
Ross Flex ¹ (-6°C)	Non-Cracking		ASTM D1052
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	7.85	MPa	ASTM D412
Tensile Strength (Yield)	20.1	MPa	ASTM D412
Tensile Elongation (Break)	650	%	ASTM D412
Tear Strength ²	75.0	kN/m	ASTM D624
NOTE			

1.	150000 CyclesNotched: 2.5 mm
2.	Die C

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