

# ISOTHANE® 1040AU

Thermoplastic Polyurethane Elastomer (Polyester)

Great Eastern Resins Industrial Co Ltd (GRECO)

## Message:

Excellent wet slip resistance  
Excellent abrasion resistance  
Low temperature flexibility  
Excellent transparency  
Hydrolysis resistance  
Chemical resistance

### Suggested Applications:

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

General Information			
Features	Good Abrasion Resistance		
	Good Chemical Resistance		
	Hydrolysis Resistant		
	Low Temperature Flexibility		
Uses	Cable Jacketing		
	Film		
	Footwear		
	Gaskets		
	Machine/Mechanical Parts		
	Seals		
	Sheet		
	Sporting Goods		
	Tubing		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
200°C/8.7 kg	13	g/10 min	
224°C/1.2 kg	29	g/10 min	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	40		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	5.00	MPa	ASTM D412
Tensile Strength (Yield)	25.0	MPa	ASTM D412
Tensile Elongation (Break)	950	%	ASTM D412
Tear Strength <sup>1</sup>	55.0	kN/m	ASTM D624
NOTE			

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#### Recommended distributors for this material

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