

ISOTHANE® 1070AU-F

Thermoplastic Polyurethane Elastomer (Polyester)

Great Eastern Resins Industrial Co Ltd (GRECO)

Message:

ISOTHANE 1070AU-F product is polyester poly(adipate)ester based thermoplastic polyurethanes. It is plasticizer free with exhibiting excellent transparency, toughness, abrasive resistance, solvent resistance, and UV resistance. The product can be injection molded and extruded.

General Information			
Features	Good Abrasion Resistance		
	Good Toughness		
	Good UV Resistance		
	Paintable		
	Solvent Resistant		
Appearance	Clear/Transparent		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	70		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Taber Abrasion Resistance (H-22 Wheel)	90.0	mg	ASTM D1044
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% Strain	2.50	MPa	
300% Strain	5.70	MPa	
Tensile Strength (Yield)	12.0	MPa	ASTM D412
Tensile Elongation (Break)	720	%	ASTM D412
Tear Strength ¹	67.0	kN/m	ASTM D624
NOTE			
1.	Die C		

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