

ISOTHANE® 1095AU-K8

Thermoplastic Polyurethane Elastomer (Polyester)

Great Eastern Resins Industrial Co Ltd (GRECO)

Message:

ISOTHANE 1095AU-K8 product is polyester poly(adipate)ester based thermoplastic polyurethanes. It exhibits excellent transparency, toughness, abrasive resistance, UV stability, and solvent resistance. The product can be injection molded and extruded.

General Information			
Features	Solvent resistance		
	Good UV resistance		
	Good wear resistance		
	Definition, high		
	Good toughness		
	Hydrolysis stability		
Appearance	Clear/transparent		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	94		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Taber Abrasion Resistance (H-22 Wheel)	50.0	mg	ASTM D1044
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
50% strain	11.0	MPa	ASTM D412
100% strain	12.0	MPa	ASTM D412
300% strain	25.0	MPa	ASTM D412
Tensile Strength (Yield)	50.0	MPa	ASTM D412
Tensile Elongation (Break)	490	%	ASTM D412
Tear Strength ¹	176	kN/m	ASTM D624
Compression Set (23°C, 22 hr)	32	%	ASTM D395B
Injection instructions			
Feed Zone: 200°CTransition Zone: 210°CMetering Zone: 210°CNozzle: 200°CCooling Time: 40 to 50 sec			
NOTE			
1.	C mould		

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