

ISOTHANE® 3060A

Thermoplastic Polyurethane Elastomer (Polyether)

Great Eastern Resins Industrial Co Ltd (GRECO)

Message:

ISOTHANE 3060A product is plasticizer-free soft polyether based thermoplastic polyurethane. It exhibits excellent hydrolytic resistance, easy flow, and low temperature performance properties. This 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 liquidity		
	Hydrolysis resistance		
	Thermal stability, good		
Uses	Films		
	Cable sheath		
	Washer		
	Pipe fittings		
	Machine/mechanical parts		
	Seals		
	Sheet		
	Sporting goods		
	Footwear		
Processing Method	Blow molding		
	Extrusion		
	Injection molding		
Hardness	Nominal Value		Test Method
Durometer Hardness (Shore A)	59		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	575	MPa	ASTM D412
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
50% strain	1.30	MPa	ASTM D412
100% strain	1.70	MPa	ASTM D412
300% strain	2.60	MPa	ASTM D412
Tensile Strength (Yield)	19.0	MPa	ASTM D412
Tensile Elongation (Break)	960	%	ASTM D412
Tear Strength ¹	60.0	kN/m	ASTM D624
Injection	Nominal Value	Unit	

Drying Temperature	70.0	°C
Drying Time	3.0 - 4.0	hr
Screw L/D Ratio	25.0:1.0	
Screw Compression Ratio	3.0:1.0	

Injection instructions

Feed Section: 200°CTransition Section: 205°CMetering Section 1: 205°CMetering Section 2: 205°CDie: 200°C

NOTE

1.
- C mould

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