

ISOTHANE® 1690A-E

Thermoplastic Polyurethane Elastomer (Polyether)

Great Eastern Resins Industrial Co Ltd (GRECO)

Message:

ISOTHANE 1690A-E products is polyether based thermoplastic polyurethanes with good balanced qualities. It exhibits high moisture vapor transmission. The product can be injected, extruded and blowed.

General Information	
Features	High Moisture Vapor Transmission
Uses	Film
	Textile Applications
Processing Method	Blow Molding
	Blown Film
	Extrusion

Hardness	Nominal Value	Test Method	
Durometer Hardness (Shore A)	90	ASTM D2240	
Mechanical	Nominal Value	Unit	Test Method
Ross Flex ¹ (-6°C)	No Break		ASTM D1052
Films	Nominal Value	Unit	Test Method
Water Vapor Transmission ²	7400	g/m ² /24 hr	ASTM E96
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	23.2	MPa	ASTM D412
Tensile Strength (Yield)	41.5	MPa	ASTM D412
Tensile Elongation (Break)	570	%	ASTM D412
Tear Strength ³	14.6	kN/m	ASTM D624

NOTE	
1.	150000 times
2.	Procedure BW
3.	Die C

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