

ISOTHANE® 1685A-E

Thermoplastic Polyurethane Elastomer (Polyether)

Great Eastern Resins Industrial Co Ltd (GRECO)

Message:

ISOTHANE 1685A-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)	85		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	9000	g/m ² /24 hr	ASTM E96
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	9.40	MPa	ASTM D412
Tensile Strength (Yield)	30.5	MPa	ASTM D412
Tensile Elongation (Break)	740	%	ASTM D412
Tear Strength ³	8.80	kN/m	ASTM D624
NOTE			
1.	150000 times		
2.	Procedure BW		
3.	Die C		

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