

ISOTHANE® 1685A-E2

Thermoplastic Polyurethane Elastomer (Polyether)

Great Eastern Resins Industrial Co., Ltd. (GRECO)

Message:

ISOTHANE 1685A-E2 products are polyether based thermoplastic polyurethanes with good balanced qualities. They exhibit high moisture vapor transmission. The product can be extruded and blown.

General Information			
Features	High Moisture Vapor Transmission		
Processing Method	Blow molding		
	Extrusion		
Hardness	Nominal Value		Test Method
Durometer Hardness (Shore A)	85		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Ross Flex - 150,000 times (-6°C)	No Break		ASTM D1052
Films	Nominal Value	Unit	Test Method
Water Vapor Transmission			
--	70000	g/m ² /24 hr	JIS L1099
-- ¹	11000	g/m ² /24 hr	ASTM E96
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (300% Strain)	10.0	MPa	ASTM D412
Tensile Strength	23.0	MPa	ASTM D412
Tensile Elongation (Break)	850	%	ASTM D412
Tear Strength ²	110	kN/m	ASTM D624
Extrusion	Nominal Value	Unit	
Drying Temperature	100	°C	
Drying Time	3.0 - 4.0	hr	
NOTE			
1.	Procedure BW		
2.	C mould		

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