TRB115

Polyethylene Product

Product Description

TRB115 *is a polyethylene product suitable for blown film. This material is polymerized with a Ziegler-Natta catalyst and it is designed for blown film applications that require excellent bubble stability and great processability. It is used for merchandise bags and multi-wall bag liners.*

Product Characteristic

Test Method Used	ASTM	
Features	High Bubble Stability	Good Processability
Typical Customer Applications	T-shirt bags	Multi-wall liners
	Merchandise bags	

Typical Properties

Physical		**Test Method**	**Unit**	**Value**
	Melt Flow Rate (2.16 kg @190°C)	ASTM D1238	g/10min	0.06
	Density	ASTM D1505	g/cm^3	0.950
Mechanical (Blown Film, 0.5mil)		**Test Method**	**Unit**	**Value**
	Dart	ASTM D1709	g	150
	Elmendorf Tear MD	ASTM D1922	g	10
	Elmendorf Tear TD	ASTM D1922	g	300
	Tensile Strength at Break MD	ASTM D882	MPa	60
	Tensile Strength at Break TD	ASTM D882	MPa	25
	Tensile Elongation at Break MD	ASTM D882	%	175
	Tensile Elongation at Break TD	ASTM D882	%	425

Notes: Results may vary depending on environmental conditions and /or devices.

Technical Data Sheet

Processing Recommendation

The actual conditions depends on the type of equipment used.

Extrusion Note

Fabrication Conditions For Blown Film:

Extrusion Melt Temperature	185 – 200 °C
Screw Size	1.5 in (30mm)
Die Gap	0.06 in (1.5mm)
Die Diameter	2.5in (50mm)
Blow up Ratio	4.0 to 1.0

The nominal properties reported herein are representative of the product under these processing conditions, although film properties can vary depending on the specific film-blowing conditions. Therefore, the data should not be used for specification purposes.

Storage

This material should be stored in dry conditions, protected from sunlight and at temperatures below 50 °C.

Contact

GS Caltex
GS Tower, 508, Nonhyeon-ro, Gangnam-gu,
Seoul 06141, Rep of Korea
tel.: 82 042 866 1628