



# Caltex PE TRB115

## GS Caltex - High Density Polyethylene

### General Information

#### 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.

#### Features:

- High Bubble Stability
- Good Processability

#### Typical Customer Applications:

- T-shirt bags
- Multi-wall liners
- Merchandise bags

#### General

Features	• Good Processability
Uses	• Bags • Liners
Processing Method	• Blown Film

### Properties <sup>1</sup>

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	0.950 g/cm <sup>3</sup>	0.950 g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.060 g/10 min	0.060 g/10 min	ASTM D1238
Films	Typical Value (English)	Typical Value (SI)	Test Method
Film Thickness - Tested	0.50 mil	13 µm	
Tensile Strength			ASTM D882
MD : Break, 0.50 mil (13 µm), Blown Film	8700 psi	60.0 MPa	
TD : Break, 0.51 mil (13 µm), Blown Film	3630 psi	25.0 MPa	
Tensile Elongation			ASTM D882
MD : Break, 0.51 mil (13 µm), Blown Film	180 %	180 %	
TD : Break, 0.51 mil (13 µm), Blown Film	430 %	430 %	
Dart Drop Impact			ASTM D1709
0.51 mil (13 µm), Blown Film	150 g	150 g	
Elmendorf Tear Strength			ASTM D1922
MD : 0.51 mil (13 µm), Blown Film	10 g	10 g	
TD : 0.51 mil (13 µm), Blown Film	300 g	300 g	

### Processing Information

Extrusion	Typical Value (English)	Typical Value (SI)
Melt Temperature	365 to 392 °F	185 to 200 °C