



Caltex PE TR144

GS Caltex - High Density Polyethylene

General Information

Product Description

TR144 is a polyethylene product suitable for blown film. This material is polymerized with a chromium catalyst and it is designed for blown film applications that require excellent bubble stability and great processability. It is used for household bag and blend modifier for improved stiffness

Features:

- High Bubble Stability
- Good Processability

Typical Customer Applications:

- T-shirt bags
- Multi-wall liners
- Trash bags
- Blend Modifier (Stiffness)

General

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

Properties ¹

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	0.946 g/cm ³	0.946 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.18 g/10 min	0.18 g/10 min	ASTM D1238
Films	Typical Value (English)	Typical Value (SI)	Test Method
Film Thickness - Tested	1.0 mil	25 µm	
Tensile Strength			ASTM D882
MD : Break, 0.98 mil (25 µm), Blown Film	3480 psi	24.0 MPa	
TD : Break, 0.98 mil (25 µm), Blown Film	3770 psi	26.0 MPa	
Tensile Elongation			ASTM D882
MD : Break, 0.98 mil (25 µm), Blown Film	350 %	350 %	
TD : Break, 0.98 mil (25 µm), Blown Film	500 %	500 %	
Dart Drop Impact			ASTM D1709
0.98 mil (25 µm), Blown Film	80 g	80 g	
Elmendorf Tear Strength			ASTM D1922
MD : 1.0 mil (25 µm), Blown Film	15 g	15 g	
TD : 0.98 mil (25 µm), Blown Film	230 g	230 g	

Processing Information

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