

HIGH DENSITY POLYETHYLENE

TRB115

General Information

Description

This bimodal high molecular weight, high density polyethylene ethylene-hexane copolymer is tailored for blown film applications

Applications

T-shirt bags, Merchandise bags, Multi-Wall Bag Liners

Typical Properties	Test Method	Units	Result
Nominal Resin			
Melt Index (2.16kg @190°C)	ASTM D1238	g/10min	0.06
Density	ASTM D1505	g/cm ³	0.950
Nominal Blown Film (*0.5 mil)			
Dart(g/mil)	ASTM D1709	g	150
Elmendorf Tear MD(g/mil)	ASTM D1922	g	10
Elmendorf Tear TD(g/mil)	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

*0.5mil film produced using a extruder with a stalk height of 7xDie Diameter, a 4:1 BUR, a 50mm die diameter and a 1.5mm die gap
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.