

MarFlex® 9656

High Density Polyethylene
Chevron Phillips Chemical Company LLC

Message:

MarFlex®9656 is a high density polyethylene material. This product is available in North America or Latin America. The processing method is: blow molding film or co-extrusion molding.

MarFlex®The main features of the 9656 are:

High stiffness

Good processability

Typical application areas include:

bag/lining

Wrapping

Movie

additive/masterbatch

General Information	
Features	Rigidity, high Workability, good Good stripping
Uses	Films Lining Bags Mixing Stretch winding
Forms	Particle
Processing Method	Blow film Co-extrusion molding

Physical	Nominal Value	Unit	Test Method
Density	0.956	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.75	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction (Blown Film)	0.25		ASTM D1894
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
1% secant, MD: 25 µm, blown film	841	MPa	ASTM D882
1% secant, TD: 25 µm, blown film	1070	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Broken, 25 µm, blown film	51.0	MPa	ASTM D882
TD: Broken, 25 µm, blown film	18.0	MPa	ASTM D882

Tensile Elongation			ASTM D882
MD: Broken, 25 µm, blown film	580	%	ASTM D882
TD: Broken, 25 µm, blown film	500	%	ASTM D882
Oxygen Transmission Rate (25 µm, Blown Film)	2300	cm ³ /m ² /24 hr	ASTM D3985
Water Vapor Transmission Rate (25 µm, Blown Film)	4.8	g/m ² /24 hr	ASTM F1249
Dart Drop Test - Blown Film (25.4 µm)	19.3	kN/m	ASTM D1709
Elmendorf Tear Strength ¹			ASTM D1922
MD : 25.4 µm	5.0	kN/m	ASTM D1922
TD : 25.4 µm	231.7	kN/m	ASTM D1922

Additional Information

Blown Film produced using a grooved feed extruder, 8 lb/in die, 2.5 BUR, using a dual lip air ring.

NOTE

1. Blown Film

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