

Description

HDPE 2297: Broad molecular weight distribution, exceptional impact strength, excellent process ability and bubble stability.

Applications: T-shirts sacks; trash can liners, merchandise bags, multi-wall liner, deli wrap

Characteristics

	Method	Unit	Typical Value
Rheological Properties⁽¹⁾			
Melt Flow Index	D-1238	g/10 min	
190°C/2.16 kg			0.06
190°C/5 kg			0.24
190°C/21.6 kg (HLMI)			9.0
Mechanical Properties⁽¹⁾⁽²⁾			
Dart Impact	D-1709, A	g	250
Elmendorf Tear	D-1922, A,	g (MD / TD)	24 /120
Tensile Strength @ Yield	D-882, A, 20 in/min	psi (MD / TD)	5500/5000
Tensile Strength @ Break	D-882, A, 20 in/min	psi (MD/TD)	9200/9800
Elongation @ Break	D-882, A, 20 in/min	% (MD/TD)	300-500/300-500
Secant Modulus @ 1% strain	D-882, A, 20 in/min	psi (MD/TD)	120,000/130,000
Thermal Properties⁽¹⁾			
Melting Point	D-3417	°F	270
Other Physical Properties			
Density	D-792	g/cm ³	0.951

(1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.

(2) The film was produced at 0.8 mil on a 50 mm Alpine extruder with a 4:1 BUR

(3) Water Vapor Transmission Rate

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