

### Description

**HDPE 2285:** Broad molecular weight distribution, excellent tear strength, exceptional impact strength, excellent processability

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

### Characteristics

	Method	Unit	Typical Value
<b>Rheological Properties<sup>(1)</sup></b>			
Melt Flow Index	D-1238	g/10 min	
190°C/2.16 kg			0.08
190°C/5 kg			0.32
190°C/21.6 kg (HLMI)			11.0
<b>Mechanical Properties<sup>(1)(2)</sup></b>			
Dart Impact	D-1709, A	g	350
Elmendorf Tear	D-1922, A,	g (MD / TD)	24 /120
Tensile Strength @ Yield	D-882, A, 20 in/min	psi (MD / TD)	5300 / 5000
Tensile Strength @ Break	D-882, A, 20 in/min	psi (MD/TD)	9200 / 9800
Elongation at Break	D-882, A, 20 in/min	% (MD/TD)	300-500/300-500
Secant Modulus of Elasticity @ 2% strain	D-882, A, 20 in/min	psi (MD/TD)	122,000/132,000
WVTR <sup>(3)</sup> @ 100°F,	E 96-66	g/100in <sup>2</sup> /day	0.8
<b>Thermal Properties<sup>(1)</sup></b>			
Melting Point	D-3417	°F	270
<b>Other Physical Properties</b>			
Density	D-792	g/cm <sup>3</sup>	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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