

**Description**

**HDPE 2287:** Broad molecular weight distribution, excellent tear strength, exceptional impact strength, Superior processability, Designed for die build-up sensitive equipment

**Applications:** T-shirts sacks; trash can liners, merchandise bags, 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	260
<b>Other Physical Properties</b>			
Density	D-792	g/cm <sup>3</sup>	0.950

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

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

(3) Water Vapor Transmission Rate

HDPE 2287 06/2015



TOTAL PETROCHEMICALS & REFINING USA, INC.  
 POLYMERS AMERICAS  
[www.totalrefiningchemicals.com](http://www.totalrefiningchemicals.com)  
 1201 Louisiana Street  
 Suite 1800  
 Houston, TX 77002

TECHNICAL CENTER  
 P.O. Box 1200  
 Deer Park, Texas 77536  
 Phone: 281-884-7500

**1-800-344-3462**

All tests were run under laboratory conditions. ASTM (where applicable) testing procedures. The data are intended as a general guide only and do not necessarily represent results that may be obtained elsewhere. The use of TOTAL products must be guided by the users own methods for selection of proper formulation. TOTAL PETROCHEMICALS & REFINING USA, INC. disclaims any responsibility for misuse or miss application of its products. TOTAL MAKES NO WARRANTY OF MERCHANTABILITY AND THERE IS NO WARRANTY THAT GOODS SUPPLIED SHALL BE FIT FOR ANY PARTICULAR PURPOSE. TOTAL'S liability and customer's exclusive remedy for any claims arising out of sales of its products are expressly limited at customer option to replacement of non-performing goods or payment not to exceed the purchase price plus transportation charges thereon in respect to any material which damage is claimed.

