TOTAL PETROCHEMICALS

TOTAL PETROCHEMICALS USA, INC.

HDPE HL 535

Resin Properties[1]	Typical Value	ASTM Method
Melt Flow Index, g/10 min		D 1238
190ºC/2.16 kg	0.35	
190ºC/21.6 kg (HLMI)	30.0	
Density, g/cm^3	0.955	D 792
Melting Point, ºF	270	D 3417

Film Properties[1][2]		
Dart Impact, g	< 50	D1709, A
Elmendorf Tear, g		D1922
Machine Direction (MD)	8	
Transverse Direction (TD)	1100	
Tensile Strength @ Yield, psi		D882, A, 20 in/min
MD	4000	
TD	4300	
Tensile Strength @ Break, psi		D882, A, 20 in/min
MD	6300	
TD	4300	
Elongation @ Break, %		D882, A, 20 in/min
MD	500	
TD	25	
1% Secant Modulus, kpsi		D882, A, 1 in/min
MD	133	
TD	186	
WVTR[3] @ 100°F, g/100 in^2/day	0.7	F1249

Processing Recommendation	
Extrusion Melt Temperature	380 – 420^{0}F

1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.
2) Film was produced at 1.0 mil with a 2.5:1 BUR
3) Water Vapor Transmission Rate

Polyethylene:

Medium Molecular Weight
High Density Film Resin

Characteristics

- High stiffness
- Good heat resistance
- Excellent bubble stability
- Good compatibility with LDPE and LLDPE

Applications

- Release liners
- Stand-up bags
- Coextruded films

HDPE HL 535 03/2010

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