TOTAL PETROCHEMICALS

TOTAL PETROCHEMICALS USA, INC.

HDPE 6410

Resin Properties[1]	Typical Value	ASTM Method
Melt Flow Index, g/10 min		D 1238
190ºC/2.16 kg	1.2	
190ºC/21.6 kg (HLMI)	33.0	
Density, g/cm^3	0.961	D 792
Melting Point, ºF	273	D 3417

Film Properties[1][2]		
Haze, %	15	D1003
Gloss, %	50	D523
Elmendorf Tear, g		D1922
Machine Direction (MD)	24	
Transverse Direction (TD)	385	
Tensile Strength @ Yield, psi		D882, A, 20 in/min
MD	3800	
TD	4000	
Tensile Strength @ Break, psi		D882, A, 20 in/min
MD	7500	
TD	3400	
Elongation @ Break, %		D882, A, 20 in/min
MD	700	
TD	700	
Secant Modulus, kpsi		D882, A, 1 in/min
1% strain (MD/TD)	125/128	
2% strain (MD/TD)	100/102	
WVTR[3] @ 100°F, g/100 in^2/day	0.4	F1249

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 in a low stalk configuration.
3) Water Vapor Transmission Rate

Polyethylene:

Clarity Medium Molecular Weight High Density Film Resin

Characteristics

- Unique combination of high stiffness and clarity
- Good moisture barrier properties
- Good processability
- Good compatibility with LDPE and LLDPE

Applications

- Paper overwrap
- Cup overwrap
- Plate overwrap
- Envelope windows
- Release liners
- Stand-up bags
- Specialty monolayer films
- Coextruded films

HDPE 6410 0310

TOTAL

1201 Louisiana Street
Suite 1800
Houston, TX 77002

P.O. Box 674411
Houston, TX 77267-4411

Phone: (713) 483-5241
Fax: (713) 483-5252

1-800-344-3462