

<u>Resin Properties</u> ⁽¹⁾	<u>Typical Value</u>	<u>ASTM Method</u>
Melt Flow Index, g/10 min		D1238
190 ^o C/2.16 kg	0.9	
190 ^o C/21.6 kg (HLMI)	30	
Density, g/cm ³	0.934	D792
Melting Point, ^o F	255	D3417
 <u>Mechanical Properties</u> ⁽¹⁾⁽²⁾		
Dart Impact, g	60	D1709, A
Elmendorf Tear, g		D1922
Machine Direction (MD)	55	
Transverse Direction (TD)	400	
Tensile Strength @ Break, psi		D882, A
MD	6400	
TD	6100	
Elongation @ Break, %		D882, A
MD	400	
TD	650	
1% Secant Modulus, psi		D882, A
MD	53,000	
TD	56,000	
Haze, %	9	D1003
Gloss 45 ^o	65	D523
COF, I/I	0.40	TOTAL Method
SIT, ^o F ⁽³⁾	248	TOTAL Method
WVTR ⁽⁴⁾ , g/100 in ² /day	0.65	E96/66

Processing

Recommendation

Extrusion Melt Temperature, ^oF 380 – 410

- (1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.
- (2) Film was produced on 2 inch extruder, 30 L/D, 4.7 inch die, 55 mil gap, 2.5 BUR, 410 ^oF melt temperature, 1.0 mil
- (3) Seal Initiation Temperature
- (4) Water Vapor Transmission Rate

Polyethylene:

Metallocene Medium Density Film Resin

Characteristics

- Outstanding clarity and gloss
- Excellent bubble stability
- High stiffness
- Good puncture resistance
- Good tear strength
- Good heat sealing properties
- Excellent compatibility with LDPE and LLDPE

Applications

- Tissue & towel overwrap films
- Clarity shrink films
- Protective packaging
- Laminations
- Multilayer packaging films

mPE M 3410 EP 09/2005



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

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 these products must be guided by the user's own methods for selection of proper formulation. TOTAL PETROCHEMICALS USA, INC. disclaims any responsibility for misuse or misapplication of its products. TOTAL PETROCHEMICALS USA, INC. MAKES NO WARRANTY OF MERCHANTABILITY AND THERE IS NO WARRANTY THAT GOODS SUPPLIED SHALL BE FIT FOR ANY PARTICULAR PURPOSE. TOTAL PETROCHEMICALS USA, INC. 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.

