TOTAL PETROCHEMICALS

TOTAL PETROCHEMICALS USA, INC.



mPE M 3410 EP

	Typical		
Resin Properties ⁽¹⁾	Value	ASTM Method	Polyethylene:
Melt Flow Index, g/10 min		D1238	Metallocene Medium
190° C/2.16 kg	0.9		Density Film Resin
190 ⁰ C/21.6 kg (HLMI)	30		
Density, g/cm ³	0.934	D792	Characteristics
Melting Point, ⁰ F	255	D3417	 Outstanding clarity
Mechanical Properties ⁽¹⁾⁽²⁾			and gloss
Dart Impact, g	60	D1709, A	 Excellent bubble
Elmendorf Tear, g		D1922	stability
Machine Direction (MD)	55		High stiffness
Transverse Direction (TD)	400		Good puncture
Tensile Strength @ Break, psi		D882, A	
MD	6400		resistance
ID Flaggating @ Decals 0/	6100		 Good tear strength
Elongation @ Break, %	400	D882, A	 Good heat sealing
	400 650		properties
1% Secant Modulus, psi	000	D882 A	Excellent
MD	53,000	2002,71	compatibility with
TD	56,000		
Haze, %	9	D1003	
Gloss 45°	65	D523	
COF, I/I	0.40	TOTAL Method	Applications
SIT,°F ⁽³⁾	248	TOTAL Method	 Tissue & towel
WVTR ⁽⁴⁾ , g/100 in ² /day	0.65	F1249	overwrap films
			Clarity shrink films
Processing			Brotoctivo
Recommendation			
Extrucion Molt Tomporature ⁰ E	200 /10		packaging
Extrusion Meit Temperature, F	360 - 410		 Laminations
			 Multilayer packaging
			films
(1) Data developed under laboratory condition	ons and are not to b	be used as specification.	mPE M 3410 EP 01/2010
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	
 ۲ melt temperature,1.0 mil (3) Seal Initiation Temperature 			

(4) Water Vapor Transmission Rate

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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



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 nonperforming goods or payment not to exceed the purchase price plus transportation charges thereon in respect to any material which damage is claimed.