TOTAL PETROCHEMICALS



# **HDPE 6480**

TOTAL PETROCHEMICALS USA, INC.

	Typical	
<u>Resin Properties<sup>(1)</sup></u>	<u>Value</u>	ASTM Method
Melt Flow Index, g/10 min		D 1238
190ºC/2.16 kg	8.0	
Density, g/cm <sup>3</sup>	0.962	D 792
Melting Point, °F	265	D 3417
$\Gamma$ im Droportion (1)(2)		
Film Properties <sup>(1)(2)</sup>		_
Haze, %	15	D 1003
Gloss, %	65	D 523
Tensile Strength @ Break, psi	5,000	D 882
Elongation @ Break, %	1,000	D 882
Secant Modulus @ 1% Strain, psi	95,000	D 882
Dart Impact, g	85	D 1709
Elmendorf Tear, g		D 1922
Machine Direction (MD)	35	
Transverse Direction (TD)	50	
WVTR <sup>(3)</sup> @ 100°F, g/100 in <sup>2</sup> /day	0.22	E 96/66
<u>Processing</u>		
<b>Recommendation</b>		
Extrusion Melt Temperature	450 – 500 °F	

#### **Polyethylene:**

Clarity High Density Cast Film Resin

### **Characteristics**

- High stiffness
- High clarity

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- Excellent surface gloss
- High tensile strength
- Good barrier properties
- Low gel content

## **Applications**

- Overwrap
- Food packaging
- Coextrusion

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• Extrusion coating

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

(2) The data listed were determined on a 2.0 mil cast film.

(3) Water Vapor Transmission Rate

TOTAL

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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.