

<u>Resin Properties</u> <sup>(1)</sup>	<u>Typical Value</u>	<u>ASTM Method</u>
Melt Flow Index, g/10 min 190°C/2.16 kg	2.0	D 1238
190°C/21.6 kg (HLMI)	55.0	
Density, g/cm <sup>3</sup>	0.962	D 792

**Film Properties**<sup>(1)</sup>

**Monolayer Film**<sup>(2)</sup>

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 <sup>(3)</sup> @ 100°F, g/100 in <sup>2</sup> /day	0.25	E96/66
<b>Coextruded Film</b> <sup>4</sup>		
WVTR <sup>(3)</sup> @ 100°F, g/100 in <sup>2</sup> /day	0.19	E96/66
Elmendorf Tear, g		D1922
Machine Direction (MD)	70	
Transverse Direction (TD)	500	

**Processing**

**Recommendation**

Extrusion Melt Temperature	390 to 410°F
BUR	2.0 to 3.5
FLH/D	4.0 to 6.0

**Polyethylene:**

Medium Molecular Weight  
High Density Film Resin

**Characteristics**

- Excellent moisture barrier properties
- Low gels
- Low taste and odor
- High stiffness
- Good processability
- Good compatibility with LDPE and LLDPE

**Applications**

- Cereal liners
- Cracker over-wrap
- Bakery mixes
- Specialty monolayer films
- Coextruded films

HDPE 6420 09/2005

(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 at 6:1 FLH/D ratio.

(3) Water Vapor Transmission Rate

(4) A/B/B 25/50/25% layer distribution LDPE/6420/6420, 2.0 mil, 2.5 BUR

