



**Blueridge
films
inc.**

Plastics for Industry

BFI- 9260

High Density Polyethylene

(Medium Molecular Weight)

<u>Resin Properties</u> ⁽¹⁾	<u>Typical Value</u>	<u>ASTM Method</u>
Melt Flow Index, g/10 min. 190 ⁰ C / 2.16 kg	2	D1238
Density, g /cm ³	0.96	D 792
<u>Film Properties</u> _(1, 2)		
<u>Tensile Strength @ Yield, psi</u>		
MD	4200	D882, A, 20 in/min
TD	3600	
<u>Elongation @ Break, %</u>		
MD	850	D882, A, 20 in/min
TD	500	
<u>Secant Modulus, kpsi</u>		
1% strain (MD/TD)	140/180	D882, A, in/min
2% strain (MD/TD)	110/135	
WVTR ₍₃₎ @ 100°F, g/100 in ² /day	0.12	F1249

Polyethylene:

Medium Molecular Weight
High Density Film Resin

Characteristics

- High barrier grade
- Good processability
- High stiffness
- Low gels

Applications

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

Processing Recommendation

Extrusion Melt Temperature, °F	380 to 430
BUR	2.0 to 3.5
FLH/D	4.0 to 6.0

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

(2) Film was produced at 2.0 mils with a 2.5:1 BUR.

(3) Water Vapor Transmission Rate

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. BFI disclaims any responsibility for misuse or misapplication of its products. BFI MAKES NO WARRANTY OF MERCHANTABILITY AND THERE IS NO WARRANTY THAT GOODS SUPPLIED SHALL BE FIT FOR ANY PARTICULAR PURPOSE. BFI's 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.