

Technical Data Sheet

Polyethylene HDPE E924 F

**High Density Polyethylene with Melt Index – 0.04 and Density – 0.949
High Molecular Weight Bi-Modal Resin for Film Applications**

Polyethylene E924F is a “low gel” high molecular weight grade of HDPE designed for high dart impact strength and good processing characteristics. Polyethylene E924F is well balanced in overall physical properties and provides good stiffness for thin gauge film applications requiring high quality printing.

Suggested Applications:

Merchandise Bags
Lamination Films
T-shirt Bags
Trash Can Liner and Heavy Duty Bags

Typical Resin Properties for E924F:

	<u>Test method</u>	<u>Values</u>
Melt Index, g/10 min.	ASTM D1238	0.04
HLMI, g/10 min.	ASTM D1238	8.5
Density, g/cm ³	ASTM D1505	0.949
Melting Point, Degrees C	DSC	131

Typical E924 Film Properties:

Tensile Strength at Break, psi	ASTM D882	*9000/4100
Tensile Elongation at Break, %	ASTM D882	*300/410
Elmendorf Tear Strength, grams	ASTM D1922	*14/25
Dart Drop Impact Strength, grams	ASTM D1709	210

*MD/TD

Note: Film properties are not intended to be used as specifications. They represent 0.50 mil film produced in laboratory conditions at a blow-up ratio of 4.0 and a stalk height of 5 X the die diameter. Film properties are not intended to be used as specifications.

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