

# J52-08-226 Polyethylene Copolymer

J52-08-226 is a bimodal high molecular weight high density polyethylene copolymer designed for thin gauge blown film applications where good processability, high stiffness and excellent strength are required such as: Grocery sacks, T-Shirt bags, Institutional/Industrial Can Liners, Roll Stock, Produce Bags, Heavy Duty Bags and Deli Wrap.

J52-08-226 meets the requirements of the U.S. Food and Drug Administration of 21 CFR 177.1520 covering the safe use of articles intended for use in food contact applications.<sup>1</sup>

## Typical Properties<sup>2</sup>

	Values		ASTM Method
	English Units	SI Units	
<b>Resin</b>			
Density	—	0.951 g/cc	D4883
Melt Index 190°C/5.0 kg	—	0.31 g/10 min	D1238
Melt Index 190°C/ 21.6 kg	—	9.0 g/10 min	D1238
<b>Compression Molded Sample</b>			
Vicat Softening Point	255 °F	124 °C	D1525
<b>Environmental Stress Crack Resistance</b>			
Condition B, 100% Igepal, F50 (hrs.)	> 1,500	> 1,500	D1693
<b>Film<sup>3</sup></b>			
Dart Drop Impact Strength, F50	—	350 g	D1709
Elmendorf Tear Strength	MD	18 g	D1922
	TD	180 g	
Tensile Strength @ Yield	MD	5,000 psi	D882
	TD	4,500 psi	
Tensile Strength @ Break	MD	10,000 psi	D882
	TD	9,000 psi	
Elongation @ Break	MD	300 %	D882
	TD	500 %	
Secant Modulus (2%)	MD	135,000 psi	D882
	TD	150,000 psi	

<sup>1</sup> Specific limitations may apply. Consult the J52-08-226 Regulatory Position Statement for more information.

<sup>2</sup> Typical property values will vary and are not to be used as specification limits.

<sup>3</sup> Film property data based on 0.6 mil film (15 micron) obtained under laboratory conditions at a 4:1 Blow-Up-Ratio (BUR) and stalk height of 7x die diameter. Actual film properties may vary depending on extrusion equipment and processing conditions.

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## Regulatory Information

The product and uses described herein may require global product registrations and notifications for chemical inventory listings, or for use in food contact or medical devices.

For further information, call + 1-800-527-5419.

## Health and Safety Information

The product described herein may require precautions in handling and use because of toxicity, flammability, or other consideration. The Material Safety Data Sheet (MSDS) contains the available product health and safety information for this material and can be found at [www.ineos-op.com](http://www.ineos-op.com). Before using any material, a customer is advised to consult the MSDS for the product under consideration for use.

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