

J52-08-234

POLYETHYLENE COPOLYMER

**TECHNICAL
DATASHEET**

Product Description

J52-08-234 is a high molecular weight bimodal HDPE grade designed for thin gauge blown film products requiring good processability, high stiffness and excellent toughness. Applications include grocery sacks, t-shirt bags, can liners, produce bags and heavy duty bags. J52-08-234 meets the US FDA requirements of 21 CFR 177.1520.¹

Typical Properties²

Property	English Units	SI Units	ASTM Method
Resin Properties			
Density		0.951 g/cc	D4883
Melt Index (190°C/5 kg)		0.2 g/10 min	D1238
Melt Index (190°C/21.6 kg)		8.0 g/10 min	D1238
Compression Molded Specimen Test			
Vicat Softening Point	255 °F	124 °C	D1525
ESCR, Condition B, 100% Igepal, F50	>1,500 hrs	>1,500 hrs	D1693
Film³			
Dart Drop Impact Strength, F50		140 g	D1709
Elmendorf Tear Strength			D1922
MD		27 g	
TD		96 g	
Tensile Strength @ Yield			D882
MD	3,900 psi	27 MPa	
TD	3,800 psi	26 MPa	
Tensile Elongation @ Break			D882
MD	460 %	460 %	
TD	420 %	420 %	
Secant Modulus (1%)			D882
MD	76,000 psi	524 MPa	
TD	91,000 psi	628 MPa	

¹ Consult the Regulatory Position Statement for specific use conditions and limitations.

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

³ 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 properties may vary with extrusion equipment and processing conditions.