



BICSOL HDPE HMW H1050M

High Density HMW Polyethylene

GENERAL INFORMATION

PRODUCT DESCRIPTION

Extra High Molecular Weight High Density Polyethylene

- Good Melt Strength
- Good Heat Seal
- High Stiffness
- Bag and Liner Applications

GENERAL

Material Status	• Commercial: Active
Availability	• North America
Features	<ul style="list-style-type: none"> • Good Melt Strength • Heat Sealable • High Density • High Stiffness • Ultra High Molecular Weight
Uses	<ul style="list-style-type: none"> • Bags • Blown Film • Liners
Forms	• Pellets
Processing Method	• Blown Film

ASTM & ISO Properties

Physical	Nominal Value Unit	Test
Density / Specific Gravity	0.950 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)(190°C/21.6 kg)	10 g/10 min	ASTM D1238
Films	Nominal Value Unit	Test
Secant Modulus - MD	896 MPa	ASTM D882
Secant Modulus - TD	1000 MPa	ASTM D882
Tensile Strength - MD (Break)	68.9 MPa	ASTM D882
Tensile Strength - TD (Break)	55.2 MPa	ASTM D882
Tensile Elongation - MD (Break)	330 %	ASTM D882
Tensile Elongation - TD (Break)	400 %	ASTM D882
Dart Drop Impact	350 g	ASTM D1709A
Elmendorf Tear Strength - MD	15 g	ASTM D1922
Elmendorf Tear Strength - TD	65 g	ASTM D1922

¹Typical properties: these are not to be construed as specifications.