



# BICSOL HDPE H00649B

## High Density Polyethylene

### Technical Data Sheet

BICSOL H00649B is a high molecular weight high density copolymer that provides broad bimodal molecular weight distribution, high stiffness and good heat seal response and strength. It is selected by customers for use in merchandise bags, grocery sacks, trash can liners, produce bags and roll stock.

**Processing Method:** Blown Film

**Application:** Bags & Pouches      Can Liners      Retail Carryout Bags      Specialty Film

Property	Nominal Values	English Units	Nominal Values	SI Units	Test Method
Melt Index (190°C, 2.16 kg)	0.06	g/10 min	0.06	g/10 min	ASTM D1238
Density	0.949	g/cm <sup>3</sup>	0.949	g/cm <sup>3</sup>	ASTM D1505
Tensile strength at yield MD	5000	psi	34.5	MPa	ASTM D882
Tensile strength at yield TD	4200	Psi	29.0	MPa	ASTM D882
Tensile strength at break MD	12200	Psi	84.1	MPa	ASTM D882
Tensile strength at break TD	8300	Psi	57.2	MPa	ASTM D882
Tensile Elongation at Break MD	320	%	320	%	ASTM D882
Tensile Elongation at Break TD	390	%	390	%	ASTM D882
Elmendorf Tear MD	11	g	11	g	ASTM D1922
Elmendorf Tear TD	76	g	76	g	ASTM D1922
Dart Drop Impact Strength (F <sub>50</sub> )	340	g	340	g	ASTM D1709A
Secant Modulus MD	137000	Psi	945	MPa	ASTM D882
Secant Modulus	152000	Psi	1050	MPa	ASTM D882

**Notes:**

\*The specifications listed are based on representative samples and not the actual product shipped.

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