

Technical Data Sheet

High Density Polyethylene High Molecular Weight (HDPE-HMW) Bimodal Extrusion Blow Film Applications

BICSOL H00749A is a high molecular weight grade of HDPE designed for rectangular and T-Shirt bags with side labels for supermarkets and stores, pre-cut bag rolls for fruits and vegetables, and liners for boxes and cans. **BICSOL H00749A** meets the requirements of section 177.1520, paragraph C, from chapter 21 denominated “Olefin Polymers” from the Code of Federal Regulations of the FDA, to be utilized with direct food contact.

Typical Properties	Nominal Values	SI Units	Test Method
Melt Flow Rate (190°C, 2.16 kg)	0.07	g/10 min	ASTM D1238
Melt Flow Rate (190°C, 21.6 kg) - HLMI	8.5	g/10 min	
Density	0.949	g/cm ³	ASTM D1505
Melting Point	131.0	°C	DSC
Elmendorf Tear Propagation MD	14	gf	ASTM D1922
Elmendorf Tear Propagation TD	25	gf	ASTM D1922
Tensile Strength Break MD	9000	Psi	ASTM D882
Tensile Strength Break TD	4100	Psi	ASTM D882
Tensile Strength Yield MD	4300	Psi	ASTM D882
Tensile Strength Yield TD	3900	Psi	ASTM D882
Tensile Elongation Break MD	300	%	ASTM D882
Tensile Elongation Break TD	410	%	ASTM D882
Impact Resistance by the Free Falling Dart Method	210	gf	

Note: Film properties are not intended to be used as specifications. The specifications listed are based on representative samples and not the actual product shipped.