

## Technical Data Sheet

**HDPE Bicsol H00650C** is a bimodal high molecular weight, high density polyethylene (HMW-HDPE) ethylene-hexene copolymer is tailored for blown film applications that require:

- Good bubble stability and film drawdown
- High impact strength and toughness
- Excellent stiffness and tensile strength
- Balanced tear strength

### Application:

- T-shirt bags
- Industrial liners
- Produce bags
- Trash can liners
- Merchandise bags

Typical Properties	Nominal Values	English Units	Nominal Values	SI Units	Test Method
Melt Flow Rate (190°C, 2.16 kg)			0.06	g/10 min	ASTM D1238
Melt Flow Rate (190°C, 21.6 kg)			9.5	g/10 min	ASTM D1238
Density			0.950	g/cm <sup>3</sup>	ASTM D1505
Draft Drop Impact Strength	260	g/mil	100	N/mm	ASTM D1709
Elmendorf Tear Strength MD	15	g/mil	6	N/mm	ASTM D1922
Elmendorf Tear Strength TD	450	g/mil	174	N/mm	ASTM D1922
Tensile Strength Break MD	13000	Psi	90	MPa	ASTM D882
Tensile Strength Break TD	6000	Psi	41	MPa	ASTM D882
Tensile Elongation Break MD	260	%	260	%	ASTM D882
Tensile Elongation Break TD	570	%	570	%	ASTM D882
1% Secant Flexural Modulus MD	120000	Psi	827	MPa	ASTM D882
1% Secant Flexural Modulus TD	140000	Psi	965	MPa	ASTM D882

Notes: \*Typical properties are not construed to be used as specifications and listed are based on representative samples and not the actual product shipped.