



HDPE BICSOL H863F

High Density Polyethylene for Injection Molding

Technical Data Sheet

BICSOL H863F is a homopolymer HDPE injection molding resin designed for toughness and good impact strength. **BICSOL H863F** offers excellent stiffness-toughness balance ideally recommended for applications requiring physical performance and a good impact.

Suggested Applications:

Industrial Crates

Totes and Bins

Small Appliances

Typical Properties	Nominal Values	English Units	Nominal Values	SI Units	Test Method
Melt Flow Rate (190°C, 2.16 kg)	8.0	g/10 min	8.0	g/10 min	ASTM D1238
Density	0.963	g/cm ³	0.963	g/cm ³	ASTM D1505
Tensile Strength at Yield (23 °C)	4400	Psi	30	MPa	ASTM D638
Notched Izod Impact Strength, (23 °C)	0.89	ft-lb/in	47	J/m	ASTM D256
Flexural Modulus	200000	Psi	1380	MPa	ASTM D790B
Resistance (100% Igepal, 50°C, F50)	02	hr	02	hr	ASTM 1693

Note:

1. All properties were derived from compression molded specimens. Actual properties may vary depending on operating conditions and additive packages. Properties are not intended to be used as specifications.
2. These are typical property values not to be construed as specification limits.
3. This is a generic prime product so that this product has wider specifications than standard prime grades