



# HDPE BICSOL H2054F

High Density Polyethylene for Injection Molding

## Technical Data Sheet

**BICSOL H2054F** is a hexene-based injection molding resin designed for toughness, good impact strength, and fast cycle time. **BICSOL H2054F** offers excellent stiffness-toughness balance ideally recommended for applications requiring physical performance and a good impact.

### Suggested Applications:

**Bins and Crates.  
Protective Caps Closures**

**Food Packaging Containers  
Dispensers Housewares**

Typical Properties	Nominal Values	English Units	Nominal Values	SI Units	Test Method
Melt Flow Rate (190°C, 2.16 kg)	20	g/10 min	20	g/10 min	ASTM D1238
Density	0.954	g/cm <sup>3</sup>	0.953	g/cm <sup>3</sup>	ASTM D1505
Tensile Strength at Yield (23 °C)	4100	Psi	28.3	MPa	ASTM D638
Notched Izod Impact Strength, (23 °C)	0.61	ft-lb/in	33	J/m	ASTM D256
Flexural Modulus	167000	Psi	1150	MPa	ASTM D790B
Resistance (100% Igepal, 50°C, F50)	03	hr	03	hr	

Note: 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.