



HDPE BICSOL H4452F

High Density Polyethylene for Injection Molding

Technical Data Sheet

BICSOL H4452F is a hexene-based HDPE injection molding resin designed for toughness, good impact strength, and processability. **BICSOL H4452F** offers excellent ESCR with good stiffness-toughness balance ideally recommended for applications requiring rugged physical performance and a good impact.

Suggested Applications:

Industrial Components

Industrial Closures

Automotive Components

Waste Carts

Recreational Vehicle Components

Typical Properties	Nominal Values	English Units	Test Method
Melt Flow Rate (190°C, 2.16 kg)	8.0	g/10 min	ASTM D1238
Density	0.952	g/cm ³	ASTM D1505
Tensile Strength at Yield (23 °C)	3900	Psi	ASTM D638
Flexural Modulus	160000	Psi	ASTM D790B

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