



## 49B10HL- HIGH-DENSITY POLYETHYLENE RESIN

Shell Polymers HDPE 49B10HL is an extra high molecular weight, ethylene-hexene copolymer exhibiting the characteristics of good melt strength, rigidity, excellent ESCR and low temperature impact strength, and durability.

### Product Family

HDPE



### Uncovering Insights Through Testing

The polymer science laboratories in our innovation center test specimens made in the application hall and perform in-depth studies to characterize polymer properties like flow behavior.

### Conversion Process

Blow Molding



### Convenient Pennsylvania Location

Our accessible Pennsylvania location is within 700 miles of most North American polyethylene buyers, so small- to large-sized converters like you can travel to our plant, collaborate with our team and get home the same day.

### Highlights

- Designed for extrusion blow molding
- Suitable for use in shipping containers, jerry cans, fuel containers, and agricultural chemical tanks
- Slurry loop technology



### State-of-the-Art Blow Molding Equipment

Our application hall has two commercial-scale blow molding machines that are used to make specimens and parts similar to our customers'—which means you can avoid downtime by using our lines to conduct back-to-back trials.

### Product Details

High Load Melt Index (HLMI)	Method	Test Conditions
10.0	ASTM D1238 (g/10min)	21.6 kg/190C

Density	Method
0.949	ASTM D792 (g/cm3)