



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)