



## 49P9HL- HIGH-DENSITY POLYETHYLENE RESIN

Shell Polymers HDPE 49H9HL is a natural bimodal resin. This product is designed for extrusion of pipe for applications including potable water, natural gas distribution, industrial piping, and mining. This product may also be used for injection molded fittings.

### Product Family

HDPE

### Conversion Process

Pipe Extrusion

### Highlights

- Excellent long-term hydrostatic strength
- Slow crack growth
- Rapid crack propagation properties
- Slurry loop technology

### Additives

Thermal stabilizer



### Ensuring Lot-to-Lot Consistency

Within our innovation center, the analytical laboratory helps us produce highly consistent product. For example: The lab's data helps us to get as close as possible to the center of the specification range and to ensure all railcars are near that range.



### Strategic Transportation Options

As a customer benefit, we have multiple transportation options when you need them—with the ability to move from rail to truck. In fact, our rapid deployment truck loading operation enables trucks to be loaded in 20 minutes and prepared for shipment in a couple hours directly from our site.



### In-Depth Pipe Studies

In the application testing laboratory, we test specimens and parts made in the application hall, which helps to verify that the resin we manufactured has the required properties. For example: We conduct hydrostatic testing of high-pressure pipe at different temperatures to demonstrate that the pipe grade meets the stringent Plastics Pipe Institute requirements.

### Product Details

Melt Index	Method	Test Conditions
8.5	ASTM D1238 (g/10min)	21.6 kg/190C

Density	Method
0.949	ASTM D792 (g/cm3)