



51P9HL- HIGH-DENSITY POLYETHYLENE RESIN

Shell Polymers HDPE 51P9HL is a natural bimodal resin. This product is designed for extrusion of pipe for applications including corrugated pipe.

Product Family

HDPE



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.

Conversion Process

Pipe Extrusion



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

- Excellent slow crack growth (SCG) and environmental stress crack resistance (ESCR, NCLS, etc.)
- Offers great processability
- Can be used as a stand alone resin or as a blend component
- where the base resin needs improvement in SCG or ESCR/NCLS performance
- Slurry loop technology



Reducing Downtime

The equipment in our application hall has advanced features to help you better understand our resins' performance and make correlations with your processing equipment. This will allow for more efficient qualification in your production lines, reducing downtime.

Product Details

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

Density	Method
0.951	ASTM D792 (g/cm3)