



46P21HL- HIGH-DENSITY POLYETHYLENE RESIN

Shell Polymers HDPE 46P21HL is a natural resin. This product is designed for use in all duct and cable conduit (CIC) applications for power and communications.

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



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 15–20 minutes and prepared for shipment in under an hour directly from our site.

Highlights

- Excellent processability allowing
- high production rates
- Excellent mechanical properties
- required for demanding conduit applications
 - Gas phase 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
21.0	ASTM D1238 (g/10min)	21.6 kg/190C

Density	Method
0.946	ASTM D792 (g/cm3)