



## 55B035S- HIGH-DENSITY POLYETHYLENE RESIN

Shell Polymers HDPE 55B035S is a high molecular weight, ethylene-hexene copolymer exhibiting the characteristics of excellent stiffness to ESCR ratio, good impact resistance and durability.

### Product Family

HDPE

### Conversion Process

Sheet Extrusion

### Highlights

- Designed for sheet extrusion applications
- Slurry loop technology



### Delivering High-Quality Product

The polymer science laboratories test specimens made in the application hall and perform in-depth studies that characterize the mechanical, processing and visual properties of a polymer, including its flow behavior. These tests confirm that our products satisfy the requirements or specifications of that grade.



### 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.



### Shell-Owned SIT Yard

We own and operate our Storage In Transit (SIT) Yard, located 20 miles outside of our Monaca plant, which is crucial in helping us provide reliable supply. Because we have full control of it, we can be flexible with customer requests. Instead of having to wait for product to be loaded and shipped, we can store cars in our SIT yard and release them at a moment's notice.

### Product Details

Melt Index	Method	Test Conditions
0.35	ASTM D1238 (g/10min)	2.16 kg/190C

Density	Method
0.955	ASTM D792 (g/cm3)