



46BG6HLU- HIGH-DENSITY POLYETHYLENE RESIN

Shell Polymers HDPE 46BG6HLU is an extra high molecular weight, ethylene-hexene copolymer exhibiting the characteristics of outstanding impact resistance, ESCR, processability, UV stabilization and durability.

Product Family

HDPE

Conversion Process

Blow Molding

Highlights

- Designed for extrusion blow molding
- Suitable for use in intermediate bulk containers and agricultural containers
- Gas phase technology

Additives

UV stabilizer



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.



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.



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 |
|-----------------------------|----------------------|-----------------|
| 6.0 | ASTM D1238 (g/10min) | 21.6 kg/190C |

| Density | Method |
|---------|-------------------|
| 0.946 | ASTM D792 (g/cm3) |