



## 48N5- HIGH-DENSITY POLYETHYLENE RESIN

Shell Polymers HDPE 48N5 is designed to deliver excellent stiffness/impact balance, flow easily, and offer good overall processability.

### Product Family

HDPE

### Conversion Process

Injection Molding

### Highlights

- Intended for use in injection molded rollout carts
- Gas phase technology



### 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.



### Meeting Necessary Agency Requirements

The analytical laboratory in our innovation center helps us produce the right pellet. To ensure the finished product is on-specification, the laboratory analyzes all the properties of the ingredients that go into a product, the product streams mid-production and the final resin. The lab meets the requirements of FDA, GMP, USP and ISO 9001.



### In-Depth Injection Molding 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. We have capabilities to produce pails and lids and test their ESCR performance.

### Product Details

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

Density	Method
0.948	ASTM D792 (g/cm3)