



52N10- HIGH-DENSITY POLYETHYLENE RESIN

Shell Polymers HDPE 52N10 is designed to deliver excellent stiffness/impact balance, flow easily, and offer good overall processability.

Product Family

HDPE



Technical Expertise

From analytical chemists to polymer scientists and technical experts, our innovation center is home to industry pioneers who can collaborate with you to move your business forward.

Conversion Process

Injection Molding



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.

Highlights

- Intended for use in injection molding applications
- Balances physical property performance and flowability
- Gas phase technology



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
10.0	ASTM D1238 (g/10min)	2.16 kg/190C

Density	Method
0.952	ASTM D792 (g/cm3)