



39P02U- MEDIUM-DENSITY POLYETHYLENE RESIN

Shell Polymers MDPE 39P02U is a natural UV-stabilized resin. This product is designed for extrusion of pipe for applications including gas distribution.

Product Family

MDPE



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

Pipe Extrusion



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.

Highlights

- Excellent long-term hydrostatic strength
- Slow crack growth
- Rapid crack propagation properties
- Slurry loop technology



In-Depth Pipe 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. For example: We conduct hydrostatic testing of high-pressure pipe at different temperatures to demonstrate that the pipe grade meets the stringent Plastics Pipe Institute requirements.

Additives

UV additive

Product Details

| Melt Index | Method | Test Conditions |
|------------|----------------------|-----------------|
| 0.2 | ASTM D1238 (g/10min) | 2 kg/190C |

| Density | Method |
|---------|-------------------|
| 0.939 | ASTM D792 (g/cm3) |