

ExxonMobil™ HDPE HD 7800P

High Density Polyethylene Resin

Product Description

HD7800P is a pipe extrusion grade high density polyethylene copolymer offering an excellent combination of stiffness and stress crack resistance. This material meets or exceeds the AASHTO M294.

General

| | |
|---------------------------|---|
| Availability ¹ | <ul style="list-style-type: none"> Latin America North America |
| Additive | <ul style="list-style-type: none"> Thermal Stabilizer: Yes Antistatic: No |
| Applications | <ul style="list-style-type: none"> Agriculture Products Containers Caps and Closures Food Packaging Highway Drainage Pipe Household and Industrial chemical containers Thermoformed Parts Thin Gauge Sheet |
| Revision Date | <ul style="list-style-type: none"> 03/01/2010 |

Resin Properties

| | Typical Value (English) | Typical Value (SI) | Test Based On |
|--------------------------------------|-------------------------|-------------------------|---------------|
| Density | 0.953 g/cm ³ | 0.953 g/cm ³ | ASTM D4883 |
| Melt Index (190°C/2.16 kg) | 0.25 g/10 min | 0.25 g/10 min | ASTM D1238 |
| High Load Melt Index (190°C/21.6 kg) | 30 g/10 min | 30 g/10 min | ASTM D1238 |

Molded Properties

| | Typical Value (English) | Typical Value (SI) | Test Based On |
|---|-------------------------|--------------------|---------------|
| Tensile Strength at Yield (73°F (23°C)) | 4100 psi | 28 MPa | ASTM D638 |
| Flexural Modulus - 2% Secant | 140000 psi | 970 MPa | ASTM D790 |
| Notched Constant Ligament Stress (NCLS) | > 24 hr | > 24 hr | ASTM F2136 |

Legal Statement

This product is not intended for use in medical applications and should not be used in any such applications.

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

Processing Statement

1. Values are typical and should not be interpreted as specifications. Values may change with future development. 2. All molded properties were measured on compression molded plaques. 3. Flexural modulus tested using Procedure B

Notes

Typical properties: these are not to be construed as specifications.

¹ Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

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