

# 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 <sup>1</sup> | • Latin America                                                              | • North America                                                                                   | • South America    |
| Additive                  | • Thermal Stabilizer: Yes                                                    | • Antistatic: No                                                                                  |                    |
| Applications              | • Agriculture Products Containers<br>• Caps and Closures<br>• Food packaging | • Highway Drainage Pipe<br>• Household and Industrial chemical containers<br>• Thermoformed Parts | • Thin Gauge Sheet |
| Revision Date             | • March 2010                                                                 |                                                                                                   |                    |

| Resin Properties                     | Typical Value (English) | Typical Value (SI) | Test Based On |
|--------------------------------------|-------------------------|--------------------|---------------|
| Density                              | 0.953 g/cm³             | 0.953 g/cm³        | 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

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

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

### 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

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

For additional technical, sales and order assistance:

#### Worldwide and the Americas

ExxonMobil Chemical Company  
13501 Katy Freeway  
Houston, TX 77079-1398  
USA  
1-281-870-6050

#### Asia Pacific

ExxonMobil Chemical Asia Pacific  
1 HarbourFront Place  
#06-00 HarbourFront Tower One  
Singapore 098633  
+66-2-1638699

#### Europe, Middle East and Africa

ExxonMobil Chemical Europe  
Hermeslaan 2  
1831 Machelen, Belgium  
420-239-016-274