

Product Datasheet



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	▪ Latin America	▪ North America
Additive	▪ Thermal Stabilizer: Yes	▪ Antistatic: No
Applications	▪ Agriculture Products Containers Caps and Closures Food Packaging	▪ Highway Drainage Pipe ▪ Household and Industrial chemical containers Thermoformed Parts ▪ Thin Gauge Sheet
Revision Date	▪ 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.

For additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

©2024 ExxonMobil. ExxonMobil, the ExxonMobil logo, the interlocking "X" device and other product or service names used herein are trademarks of ExxonMobil, unless indicated otherwise. This document may not be distributed, displayed, copied or altered without ExxonMobil's prior written authorization. To the extent ExxonMobil authorizes distributing, displaying and/or copying of this document, the user may do so only if the document is unaltered and complete, including all of its headers, footers, disclaimers and other information. You may not copy this document to or reproduce it in whole or in part on a website. ExxonMobil does not guarantee the typical (or other) values. Any data included herein is based upon analysis of representative samples and not the actual product shipped. The information in this document relates only to the named product or materials when not in combination with any other product or materials. We based the information on data believed to be reliable on the date compiled, but we do not represent, warrant, or otherwise guarantee, expressly or impliedly, the merchantability, fitness for a particular purpose, freedom from patent infringement, suitability, accuracy, reliability, or completeness of this information or the products, materials or processes described. The user is solely responsible for all determinations regarding any use of material or product and any process in its territories of interest. We expressly disclaim liability for any loss, damage or injury directly or indirectly suffered or incurred as a result of or related to anyone using or relying on any of the information in this document. This document is not an endorsement of any non-ExxonMobil product or process, and we expressly disclaim any contrary implication. The terms "we," "our," "ExxonMobil Product Solutions" and "ExxonMobil" are each used for convenience, and may include any one or more of ExxonMobil Product Solutions Company, Exxon Mobil Corporation, or any affiliate either directly or indirectly stewarded.

exxonmobilchemical.com