

## Product Datasheet



# Enable™ 9365

## Performance Polymer

### Product Description

Enable™ 9365 is a medium density ethylene 1-hexene copolymer that offers an outstanding balance between extrusion processing and properties, including long term hydrostatic strength, gloss, and flexibility. Enable™ 9365RT has hydrostatic strength of PE-RT type 1 according to ISO 22391.

### General

|                           |                                                                                                           |                                                                                 |                                                                 |
|---------------------------|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------------|
| Availability <sup>1</sup> | <ul style="list-style-type: none"> <li>Africa &amp; Middle East</li> <li>Asia Pacific</li> </ul>          | <ul style="list-style-type: none"> <li>Europe</li> <li>Latin America</li> </ul> | <ul style="list-style-type: none"> <li>North America</li> </ul> |
| Additive                  | <ul style="list-style-type: none"> <li>Thermal Stabilizer: Yes</li> <li>Metal Deactivator: Yes</li> </ul> |                                                                                 |                                                                 |
| Applications              | <ul style="list-style-type: none"> <li>Hot and cold water pipe</li> <li>Molding</li> </ul>                |                                                                                 |                                                                 |
| Form(s)                   | <ul style="list-style-type: none"> <li>Pellets</li> </ul>                                                 |                                                                                 |                                                                 |
| Revision Date             | 03/04/2021                                                                                                |                                                                                 |                                                                 |

| Resin Properties                         | Typical Value (English) | Typical Value (SI)      | Test Based On     |
|------------------------------------------|-------------------------|-------------------------|-------------------|
| Density / Specific Gravity               | 0.935 g/cm <sup>3</sup> | 0.935 g/cm <sup>3</sup> | ASTM D792         |
| Melt Index (190°C/2.16 kg)               | 0.50 g/10 min           | 0.50 g/10 min           | ASTM D1238        |
| Melt Mass-Flow Rate (MFR) (190°C/5.0 kg) | 2.2 g/10 min            | 2.2 g/10 min            | ASTM D1238        |
| Peak Melting Temperature                 | 255 °F                  | 124 °C                  | ExxonMobil Method |

| Molded Properties                                   | Typical Value (English) | Typical Value (SI) | Test Based On |
|-----------------------------------------------------|-------------------------|--------------------|---------------|
| Tensile Stress (2.0 in/min (51 mm/min))             | 5500 psi                | 38 MPa             | ASTM D638     |
| Tensile Strength at Yield<br>2.0 in/min (51 mm/min) | 2800 psi                | 19 MPa             | ASTM D638     |
| Elongation at Yield (2.0 in/min (51 mm/min))        | 10 %                    | 10 %               | ASTM D638     |
| Flexural Modulus - 1% Secant                        | 110000 psi              | 730 MPa            | ASTM D790B    |
| Environmental Stress-Crack Resistance<br>10% Igepal | > 10000 hr              | > 10000 hr         | ASTM D1693    |
| Durometer Hardness (Shore D, 15 sec)                | 55                      | 55                 | ASTM D2240    |

### Legal Statement

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

### Processing Statement

All physical properties were measured on compression molded specimens.

### Notes

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

<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.

Product Datasheet

**ExxonMobil**Enable™ 9365  
Performance PolymerFor additional technical, sales and order assistance: [www.exxonmobilchemical.com/ContactUs](http://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](http://exxonmobilchemical.com)