

Technical Data Sheet
FORMION® FI 393
Ionomer
Engineering Plastics



Product Description

Ionomer HDPE 13% Glass Fiber

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight
Automotive Specifications	• FORD WSS-M4D934-A2 Color: ZJWA Storm Gray

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.01 g/cm ³	1.01 g/cm ³	ISO 1183/A
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Stress (Yield, 73°F (23°C))	2900 psi	20.0 MPa	ISO 527-2/1A/50
Flexural Modulus - Chord ¹ (73°F (23°C))	145000 psi	1000 MPa	ISO 178
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact Strength 73°F (23°C), Complete Break	6.4 ft·lb/in ²	14 kJ/m ²	ISO 180/1A

Notes

¹ Type 1A, 2.0 in/min (50 mm/min)

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

© LyondellBasell Industries Holdings, B.V. 2019

Disclaimer

Information in this document is accurate to the best of our knowledge at the date of publication. The document is designed to provide users general information for safe handling, use, processing, storage, transportation, disposal and release and does not constitute any warranty or quality specification, either express or implied, including any warranty of merchantability or fitness for any particular purpose. Users shall determine whether the product is suitable for their use and can be used safely and legally.

In addition to any prohibitions of use specifically noted in this document, LyondellBasell may further prohibit or restrict the sale of its products into certain applications. For further information, please contact a LyondellBasell representative.

Trademarks

The Trademark referenced within the product name is owned or used by the LyondellBasell family of companies.