

# Hydrosize® U2-04

---

**BRAND FAMILY OVERVIEW** Our Hydrosize® line of products includes sizing solutions designed for use in the manufacturing of glass fiber, carbon fiber and natural fiber, including both chopped and continuous formats of those fibers. These are in turn used to manufacture composite products and components.

**USAGE** A specialty coating and fiber sizing which offers improved thermal stability, higher strength and elongation to break.

**DESCRIPTION** Polyurethane dispersion

**PERFORMANCE ATTRIBUTES** This product is used in many applications including the following:

Market	Properties Imparted
Cable & Cordage	<i>adhesion promotion</i>
Fiber Sizing	<i>chopped strands, PA compatible, PC compatible, thermal stability</i>
Technical Textiles	<i>adhesion promotion, binder</i>

**PHYSICAL PROPERTIES** The following properties are typical but should not be considered specifications:

Appearance:	Milky white liquid
Solids Type:	Polyurethane
Emulsifier Charge:	Anionic / Nonionic
Non-Volatile (%) :	58.0 - 60.0
pH:	7.2 - 8.5
Recommended pH of your system:	> 7.0
Brookfield Viscosity (cps) :	200 - 1500
Spindle Number:	3
RPM:	30

**APPLICATION DATA** Stir well before using in production.

**STORAGE** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep from freezing.

**HANDLING** Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required.

# Hydrosize® U2-04

---

Revised 08 June 2017

The following information for this product, specific to each site of manufacture, is available upon request:

- Material Safety Data Sheets in various formats and languages (includes global chemical inventory listing)
- Food Contact Declaration of Compliance (if applicable)

---

## Americas

Michelman Inc.  
Tel: +1 513 793 7766  
Fax: +1 513 793 2504

## China

Michelman New Material  
(Shanghai) Co., Ltd.  
Tel: +86 21 2098 6880  
Fax: +86 21 2098 6881

## India

Michelman Private Limited  
(formerly known as  
Michelman Chemicals Pvt Ltd)  
Tel: +91 22 28672783  
Fax: +91 22 28672784

## Japan

Michelman Japan LLC  
Tel: +81 3 45 80 14 90  
Fax: +81 3 45 80 27 01

## Luxembourg

Michelman SARL  
Tel: +352 26 39 44 1  
Fax: +352 26 39 44 80

## Singapore

Michelman Asia-Pacific Pte. Ltd.  
Tel: +65 6861 2822  
Fax: +65 6861 2262

---

The facts stated and the recommendations contained herein are based on our own research and the research of others, and are believed to be accurate. However, no guarantee of their accuracy is made because we cannot cover every possible application for our products nor anticipate every variation encountered in manufacturing equipment and methods. The products discussed are sold without warranty, express or implied and Seller disclaims any warranty of merchantability or fitness for a particular purpose in connection with the purchase of its products. It is recommended that purchasers conduct their own tests to determine the suitability of such products for their particular purpose. Seller shall not be liable for any injury, loss or damage, direct or consequential arising out of the use of or the inability to use the product. Statements concerning the possible use of our products are not intended as recommendations to use our products in the infringement of any patent and our products are sold without warranty of non-infringement.

© 2019 MICHELMAN, INC. All rights reserved. ® Reg. U.S. Pat. TM Off.  
All marks contained herein are registered or owned by Michelman, Inc.  
Michelman is ISO 9001:2015 certified.