

# Hydrosize® Carbon 280

---

**BRAND FAMILY OVERVIEW** Hydrosize® Carbon film forming dispersions optimize the surface chemistry of reinforcement fibers that are integral to high performance carbon fiber composites. This series of grades offers a wide variety of solutions depending on the resin compatibility, fiber type, and desired composite performance.

**USAGE** An APE free, carbon fiber sizing designed for fiber reinforced nylon composites for high temperature applications. It also provides excellent strand integrity and mechanical performance.

**DESCRIPTION** Polyamide dispersion

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

Market	Properties Imparted
Fiber Sizing	<i>chopped strands, elevated thermal performance, mechanical performance, strand integrity, thermal stability</i>

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

Appearance:	White liquid
Solids Type:	Polyamide
Emulsifier Charge:	Anionic
Non-Volatile (%) :	28.0 - 32.0
pH:	10.0 - 11.0
Recommended pH of your system:	> 7.0
Brookfield Viscosity (cps) :	0 - 500
Spindle Number:	3
RPM:	60

**APPLICATION DATA** This product can be applied by dip, rod, air knife, gravure, spray and blade applicators. Product should be mixed well prior to use.

**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® Carbon 280

---

Revised 03 August 2020

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

## Luxembourg

Michelman International 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

## China

Michelman New Material  
(Shanghai) Co., Ltd.  
Tel: +86 21 3810 3800  
Fax: +86 21 3810 3811

## India

Michelman Private Limited  
Tel: +91 22 6221 3800  
Fax: +91 22 6221 3801/02

---

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.

© 2025 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.