

# Hydrosize® Carbon 220

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**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** A high strength sizing for carbon chopped fiber that provides mechanical properties, thermal resistance and strand integrity.

**DESCRIPTION** Nonionic polyurethane dispersion

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

Market	Properties Imparted
Fiber Sizing	<i>chopped strands, mechanical performance, PA compatible, PET/PBT compatible, strand integrity, thermal stability</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:	6.5 - 8.5
Brookfield Viscosity (cps) :	500 - 1700
Spindle Number:	3
RPM:	60

**APPLICATION DATA** Product should be well mixed 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.

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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)

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## 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 3810 3811

## 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

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