

Hydrosize® U2022

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, using chopped strand or continuous strand fiber glass. These are in turn used to manufacture composite products and components.

USAGE An APE free, high strength sizing for glass and carbon chopped fiber, with excellent adhesion. This product is APE free.

DESCRIPTION Nonionic polyurethane dispersion

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

Market	Properties Imparted
Cable & Cordage	<i>chemical resistance</i>
Fiber Sizing	<i>chopped strands, impact resistance, PA compatible, PET/PBT compatible, thermal stability</i>

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

Appearance:	Milky white
Solids Type:	Polyurethane
Emulsifier Charge:	Anionic / Nonionic
Non-Volatile (%) :	58.0 - 60.0
pH:	6.5 - 8.5
Recommended pH of your system:	> 6.0
Brookfield Viscosity (cps) :	500 - 1700
Spindle Number:	3
RPM:	60

APPLICATION DATA Stir well before using in production. Tensile Strength=5000-7000 psi; Modulus (100%)=290-320; Elongation to break=700%; Shore A Hardness=60

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)

Americas

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

China

Michelman (Shanghai)
Chemical Trading 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

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