

Hydrosize® U5-01

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. This product is APE free.

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, hydrolysis resistance, impact resistance, PA compatible, PET/PBT compatible, PPS/ETP compatible, thermal stability</i>
Technical Textiles	<i>binder, print receptivity</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 (%) :	55.0 - 58.0
pH:	7.2 - 10.0
Recommended pH of your system:	> 6.0
Brookfield Viscosity (cps) :	200 - 800
Spindle Number:	3
RPM:	60

APPLICATION DATA Stir well before using in production.

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

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HANDLING Ensure adequate ventilation. 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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