

# Hydrosize® U2022

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**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** An APE free, high strength sizing for glass and carbon chopped fiber, with excellent adhesion. 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>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                 |

**SITE OF MANUFACTURE** USA (U2022)  
**(and PRODUCT CODE)**

**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.

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**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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