

Hydrosize® Carbon 310

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 formulated for polycarbonates and polycarbonate blends providing good chemical resistance and interfacial adhesion.

DESCRIPTION Phenoxy dispersion

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

| Market | Properties Imparted |
|--------------|--|
| Fiber Sizing | <i>chopped strands, elevated thermal performance, PC 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: | Phenoxy Dispersion |
| Emulsifier Charge: | Anionic / Nonionic |
| Non-Volatile (%) : | 30.0 - 33.0 |
| pH: | 7.0 - 9.0 |
| Recommended pH of your system: | > 5.0 |
| Brookfield Viscosity (cps) : | 0 - 4000 |
| Spindle Number: | 4 |
| RPM: | 60 |

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

HANDLING Avoid contact with eyes, skin and clothing. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice.

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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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