

Hydrosize® Carbon 210

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 polymer sizing for carbon fiber used to reinforce nylon, providing thermal stability, impact resistance and compatibility with most polyamide resins and polyester systems.

DESCRIPTION Nonionic polyurethane dispersion

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

Market	Properties Imparted
Fiber Sizing	<i>chopped strands, continuous fiber, 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) :	50 - 1500
Spindle Number:	3
RPM:	60

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

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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