

Hydrosize® Carbon 250

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 fiber reinforced nylon composites providing excellent strand integrity, mechanical properties and thermal resistance.

DESCRIPTION Polyurethane dispersion

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

Market	Properties Imparted
Fiber Sizing	<i>chopped strands, PA compatible, PET/PBT compatible, PPS/ETP 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 (%) :	55.0 - 58.0
pH:	7.0 - 10.0
Recommended pH of your system:	> 6.0
Brookfield Viscosity (cps) :	200 - 800
Spindle Number:	3
RPM:	60

APPLICATION DATA Typical application methods include dip, rod, air knife, gravure, spray and blade applicators. Product should be well mixed prior to use.

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)

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