

# Hydrosize® Carbon 410

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**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 designed to withstand extreme processing temperatures. This product also provides excellent adhesion and is especially well suited for chopped carbon fiber applications.

**DESCRIPTION** Polyimide solution

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

Market	Properties Imparted
Fiber Sizing	<i>chopped strands, elevated thermal performance, strand integrity, thermal stability</i>

**PHYSICAL PROPERTIES** The following properties are typical but should not be considered specifications:

Appearance:	Transparent yellow-brown liquid
Solids Type:	Polyimide
Non-Volatile (%) :	10.0 - 12.0
pH:	8.0 - 11.0
Recommended pH of your system:	> 7.0
Brookfield Viscosity (cps) :	0 - 8000
Spindle Number:	4
RPM:	60

**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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