

# Hydrosize® Carbon 280

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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 for fiber reinforced nylon composites for high temperature applications. It also provides excellent strand integrity and mechanical performance.

**DESCRIPTION** Anionic polyamide dispersion

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

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

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

Appearance:	White liquid
Solids Type:	Polyamide
Emulsifier Charge:	Anionic
Non-Volatile (%) :	28.0 - 32.0
pH:	10.0 - 11.0
Recommended pH of your system:	> 7.0
Brookfield Viscosity (cps) :	0 - 500
Spindle Number:	3
RPM:	60

**APPLICATION DATA** This product can be applied by dip, rod, air knife, gravure, spray and blade applicators. Product should be mixed well 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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