

Hydrosize® Carbon 110

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 sizing polymer that provides exceptionally tight particle size control for carbon fiber used to reinforce polypropylene. It provides excellent strand integrity in chopped strand applications and contributes to great mechanical properties in the final composite. It is characterized by its small and very consistent mean particle size.

DESCRIPTION Maleated polypropylene dispersion

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

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

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

Appearance:	White liquid
Solids Type:	Maleated Polypropylene
Emulsifier Charge:	Anionic / Nonionic
Non-Volatile (%) :	34.0 - 36.0
pH:	6.0 - 8.0
Recommended pH of your system:	> 7.0
Brookfield Viscosity (cps) :	0 - 1000
Spindle Number:	3
RPM:	60

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

HANDLING Avoid contact with eyes. Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required.

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Revised 11 October 2018

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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