

GP[®] 5403 Phenolic Specialty Resin

PRODUCT INFORMATION

INTRODUCTION

GP[®] 5403 resin is a waterborne resin developed for use in the manufacture of FRP, specifically for honeycomb and prepreg. The product is formulated to provide low smoke generation, flame resistance and strength as well as fire resistance.

APPLICATIONS

GP 5403 resin is appropriate for use in fire-safe construction materials, rocket nozzles, fire-safe railcar parts, fire-safe bus parts, aircraft interiors, composites, air conditioning and mining ventilation systems, and other high temperature applications. Its properties also make it a consideration for the abrasives and carbon ablatives industries.

STORAGE AND HANDLING

GP 5403 resin should be used in areas with good ventilation. Although the product can be shipped normally, storage life for the resin at 50°F (10°C) is 10 days. The resin should be brought to room temperature and mixed well prior to use. The proper personal protective equipment should be worn when handling the product. Please refer to the Safety Data Sheet available from Georgia-Pacific Chemicals.

TYPICAL PROPERTIES

Appearance	Amber to brown liquid
Non-Volatiles, %	70 - 74
Viscosity @ 25°C, cps	400 - 900
pH	8 - 9
Hot Plate Stroke Cure@ 150°C, seconds	70 - 90
Free Formaldehyde, %	0.5 maximum

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