

GP[®] 7649 Phenolic Impregnating Resin

PRODUCT INFORMATION

INTRODUCTION

GP[®] 7649 resin is a waterborne resin that can be used in a variety of applications including abrasives and 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 among other properties.

USES AND APPLICATIONS

In addition to applications such as abrasives, GP 7649 resin is appropriate for use in fire-safe construction materials, fire-safe railcar parts, fire-safe bus parts, aircraft interiors, composites, air conditioning and mining ventilation systems, and other high temperature applications.

CERTIFICATIONS

GP 7649 resin meets the requirements of Military Specification MIL-R-9299C, Type II, Class 2 Grade A..

STORAGE AND HANDLING

Georgia-Pacific Chemicals supplies GP 7649 in drums and bulk quantities. GP 7649 resin should be used in areas with good ventilation. Although the product can be shipped normally, storage at temperatures below 40°F (5°C) is recommended for the resin, which should then be brought to room temperature and mixed well prior to use. Storage life for the resin at 40°F (5°C) is 3 months. The proper personal protective equipment should be worn when handling the product. Additional information on the safe handling of GP 7649 resin can be found in the Safety Data Sheet available from Georgia-Pacific Chemicals.

TYPICAL PROPERTIES

Type	Phenol-formaldehyde Resole
Solvent/Water	Water
Non-Volatiles, %	64 - 67
Viscosity @ 25°C, cps	100 - 200
Free Phenol, %	13 maximum
Free Formaldehyde, %	2 maximum

866-4GP-CHEM

www.gp-chemicals.com