

GP[®] 5236H Phenolic Impregnating Resin

PRODUCT INFORMATION

GP[®] 5236H resin is a high temperature phenolic resin developed for use in the manufacture of fiber-reinforced polymer (FRP). GP 5236H resin is a lower solvent grade of Mil R-9299C-qualified GP 5236 product. It is formulated to provide low smoke generation, flame resistance and strength as well as fire resistance.

APPLICATIONS

Potential applications for GP 5236H resin include aircraft interiors, composites, laminates, prepreg, fiber-reinforced polymers, fire-safe construction materials, and other high-temperature applications.

CERTIFICATION

GP 5236H resin meets the requirements of Military Specification MIL-R-9299C, Type II, Class 2 Grades A & B and Military Specification 64156B.

STORAGE AND HANDLING

Georgia-Pacific Chemicals supplies GP 5236H resin in drums and bulk quantities. It should be used in areas with good ventilation. Storage at temperatures below 40°F (5°C) is recommended for the resin, which should be brought to room temperature prior to use.

Additional information on the safe handling of GP 5236H resin is in the Safety Data Sheet available from Georgia-Pacific Chemicals.

TYPICAL PROPERTIES

Non-Volatiles, %	68 – 72
Viscosity @ 77°F (25°C), cPs	1,000 – 2,000
pH	6.5 – 8.0
Hot Plate Stroke Cure Time @ 302°F (150°C), seconds	90 – 120
Phenol, %	5 – 12
Water, %	5 – 9