

GP[®] 5236 Phenolic Impregnating Resin

PRODUCT INFORMATION

INTRODUCTION

GP[®] 5236 phenolic impregnating resin is a high temperature phenolic resin developed for use in the manufacture of fiber-reinforced polymer (FRP). The product is formulated to provide low smoke generation, flame resistance and strength as well as fire resistance.

APPLICATIONS

Applications for laminates made with GP 5236 resin include missile and aircraft structural components and insulation, circuit board components, and custom molding compounds for rocket nozzles, automotive electrical parts and specialty electrical and electronic molded parts. Applications also include armored vehicles, ballistics, composites, fire-safe construction materials, laminates, prepreg and other high-temperature applications.

CERTIFICATIONS

GP 5236 resin meets requirements of Military Specification MIL-R-9299C, Grade A and Grade B and Military Specification 64154B.

STORAGE AND HANDLING

GP 5236 resin 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. The appropriate personal protective equipment should be worn whenever GP 5236 resin is handled. The Safety Data Sheet available from Georgia-Pacific Chemicals LLC includes additional information on the safe handling of this product.

SHIPPING

GP 5236 phenolic impregnating resin is available in drums and bulk quantities.

TYPICAL PROPERTIES

Appearance	Amber to brown liquid
Non-Volatiles, %	60 – 65
Viscosity @ 25°C, cps	300 – 800
pH	6.5 - 8.0
Specific Gravity @ 25°C	1.00 - 1.15
Hot Plate Stroke Cure Time @ 150°C, seconds	90 - 120

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