

# GP<sup>®</sup> 5085 Phenolic Abrasive Resin

## PRODUCT INFORMATION

### DESCRIPTION

GP<sup>®</sup> 5085 bonded abrasive resin is a phenol-formaldehyde resin developed by Georgia-Pacific Chemicals specifically for bonded abrasive applications.

### USE AND APPLICATION

GP 5085 resin is a medium-viscosity, low-solids resin modified with a thermoplastic resin. It demonstrates moderate water tolerance and provides good adhesion to a variety of substrates and grits with excellent grain bonding. The resin is used primarily in the manufacture of small grinding wheels.

### STORAGE AND HANDLING

GP 5085 resin should be stored at temperatures of less than 75°F in order to maintain a usable life of one month. It should be used in areas with good ventilation. GP 5085 resin is supplied in drums and bulk quantities. Additional information on the safe handling of GP 5085 resin is in the Safety Data Sheet available from Georgia-Pacific Chemicals.

Typical Properties	
Type	Modified Phenol-formaldehyde
Appearance	Amber liquid
Non-Volatiles, %	50.0 – 54.0
Specific Gravity	1.153 – 1.168
Viscosity at 25°C, cps	2,500 – 3,000
pH	8.9 – 9.1
Water Dilutability, %	300 minimum
Flash Point, °F	None to boiling
Boiling Point, °F	210
Weight per Gallon, lbs.	9.9
Free Formaldehyde, %	1.0 maximum
Free Phenol, %	5.0 – 6.0
Storage Life at 68°F	1 month

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