

GP[®] 5510, GP[®] 5520, GP[®] 5546 PARAC[®] Phenolic Resins

PRODUCT INFORMATION

DESCRIPTION

Georgia-Pacific Chemicals LLC manufactures several types of powdered phenolic thermosetting resins for various applications including molding compounds, synthetic carbon and adhesives for abrasives. Each resin has been formulated with a specific cure time and hexa content for crosslinking.

STORAGE AND HANDLING

GP 5510[®], GP[®] 5520 and GP[®] 5546 powdered phenolic resins should be used in areas with adequate ventilation. They should be stored in a cool, dry place. Storage at temperatures of 70°F - 75°F is recommended. Georgia-Pacific Chemicals supplies these resins in 50-pound net multiwall bags. Containers should be kept sealed until ready to use.

The proper personal protective equipment should be worn when handling or using the resins. Additional information on their safe handling and storage is in the Safety Data Sheet available from Georgia-Pacific Chemicals.

Typical Properties	GP 5510	GP 5520	GP 5546
Hexa Content, %	11.5 – 13.5	7.0 – 9.0	6.5 – 7.5
Hot Plate Cure Time at 150 °C, sec	40 – 55	65 – 85	25 – 45
Inclined Plate Flow at 125 °C, mm	20 – 40	30 – 60	25 – 45
Free Phenol, %	5.3	4.6	5.0
Particle Size, Maximum Retained on 200 Mesh, %	< 2	< 2	< 6

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