

RESI-FLAKE® 2039 Foundry Resin

PRODUCT INFORMATION

INTRODUCTION

RESI-FLAKE® 2039 is a phenol-formaldehyde resin supplied in flake form. It is used as a foundry shell sand binder. It is similar to RESI-FLAKE® 2037 resin but has a lower free phenol content and higher viscosity. As with all RESI-FLAKE® products, a cross-linking agent should be used.

STORAGE AND HANDLING

RESI-FLAKE 2039 resin should be stored at temperatures below 77°F (25°C). Storage at temperatures above 100°F (37.7°C) may cause sintering of the flakes over time so product monitoring and turn over should be practiced. It should be used in areas with good exhaust ventilation. The resin may darken over time but the change in color is cosmetic only.

Although packages of RESI-FLAKE 2039 resin have a moisture resistant barrier, care should be taken to store the material in a dry place (RH 50%) to avoid moisture pickup which can also lead to sintering.

Additional information on the safe handling and storage of RESI-FLAKE 2039 resin is in the Safety Data Sheet available from Georgia-Pacific Chemicals.

Georgia-Pacific Chemicals supplies RESI-FLAKE 2039 resins in 1,000 lb. fiber board disposable cartons.

Typical Properties

Product Composition	Phenol-formaldehyde novolac
Appearance/Form	Opaque, creamy tan flake
Melt Viscosity, cps@150°C (300°F)	2,900 – 6,900
Free Phenol, %	1.7 – 2.3
Free Formaldehyde, %	0 – 0.001
Water Content, %	1.0 – 8.0
Salicylic Acid Content, %	2.5 – 3.5

866-4GP-CHEM

www.gp-chemicals.com