

Durez® 33304

Phenolic

Sumitomo Bakelite North America, Inc.

Message:

Durez 33304 Phenolic Resin is a solvent-free, water-soluble resin. Durez 33304 resin provides superior strength, adhesion, and wetability for both organic and inorganic substrates.

This unique water-soluble resin provides comparable or superior strength to solvent-based systems. When used in fiberglass or carbon composites, Durez 33304 provides excellent composite and interlaminary strength. In abrasive applications, Durez 33304 provides superior strength to inorganic grits and backing substrates.

Designed for adhesion in both natural and synthetic substrates, Durez 33304 has excellent adhesion to fiberglass, carbon fiber, nylon, polyester, Kevlar, cotton and paper-based substrates.

Durez 33304 eliminates the problem of conventional water systems in its ability to wet-out and coat synthetic substrates. This resin is equal to solvent-based systems in its ability to evenly coat synthetic substrates such as polyester, nylon and Kevlar.

Applications for Durez 33304 include:

Fiberglass Laminates

Carbon Fiber Laminates

Coated Abrasives

Paper Saturants

Carbon Composites

Coatings

Durez 33304 is a water-soluble resin.

General Information	
Features	Good Adhesion
	High Strength
	Water Soluble
Uses	Coating Applications
	Compounding
	Laminates
	Paper Coatings

Physical	Nominal Value		Test Method
pH	9.0		Internal Method
Non-Volatile Content	74	%	Internal Method
Water Tolerance	350	%	Internal Method
Thermoset	Nominal Value	Unit	Test Method
Thermoset Mix Viscosity (25°C)	1250	cP	Internal Method

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