

# STYRONAL® 4411

## High-strength styrene-butadiene binder for nonwoven abrasives

STYRONAL 4411 is a high performance water-based binder ideally suited for polyester nonwoven abrasive applications that require excellent hardness and stiffness. This carboxylated styrene-butadiene dispersion elevates field performance by providing excellent durability and strength. Dried films are very strong and stiff. STYRONAL 4411 exhibits exceptional runnability and is compatible with other substances commonly used in coatings and saturation applications. STYRONAL 4411 is especially suited for formulations including STYROFAN 4306 and is well suited for use as a top coat.

### Key features & benefits

- Water-based carboxylated styrene-butadiene copolymer
- Excellent durability and strength
- Creates very strong and stiff dried films

### Applications

- Ideally suited for use as a binder for nonwoven abrasives
- Excellent runnability in coating applications
- Ideal for use in applications where phenolics are not used

### Properties

Polymer	Carboxylated styrene-butadiene
Solids (wt. %)	~50
pH	~8.5
Tg	62
Viscosity	~200
Hydrophobicity	Medium

### Contacts

Please contact us to learn more about STYRONAL 4411 and our full portfolio of nonwoven solutions.

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