BASF
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Acronal® NX 4846

Versatile styrene-acrylic binder for glass mat and additional nonwoven applications

Key features & benefits

- Excellent thermal dimensional stability at high temperatures
- Barrier resistance to solvents
- Compatible with other substances used in nonwovens like urea formaldehyde
- Can be used in a variety of nonwovens applications

Applications

- Suited for wet-laid glass mat applications
- Also performs excellently in applications where barrier properties are necessary

Acronal NX 4846 can be used for reinforcement in vinyl flooring

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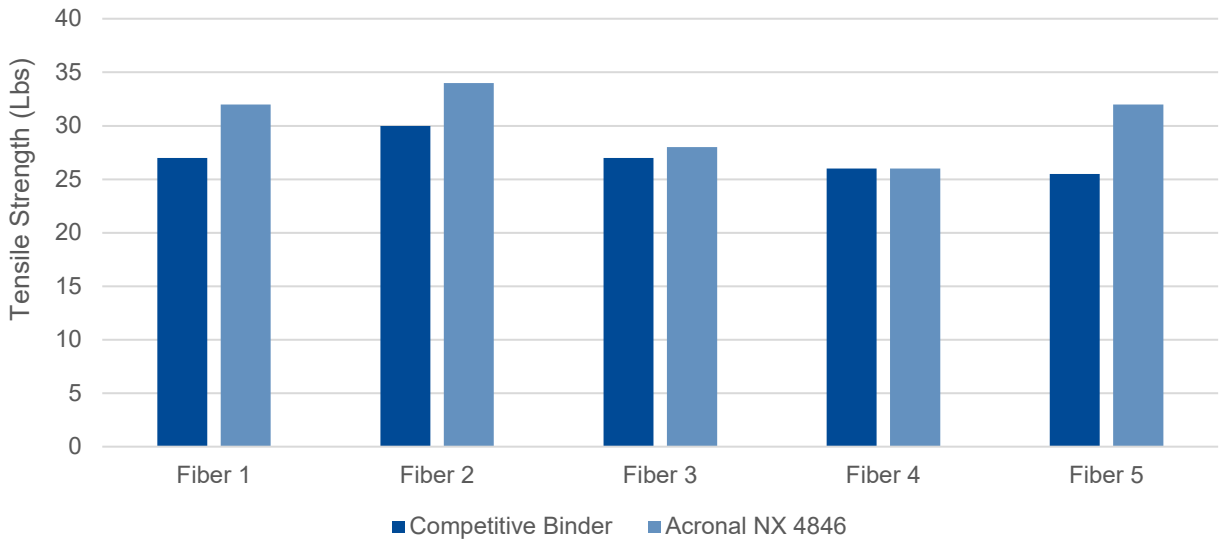
Acronal NX 4846 is a styrene-acrylic dispersion that can be heat-crosslinked in a variety of nonwovens applications. During the manufacturing process, it has high chemical stability which allows it to work well with other co-binders and additives. Once crosslinked, Acronal NX 4846 films are resilient and provide good strength in the presence of oil or water. Acronal NX 4846 also performs well at elevated temperatures, making it an excellent choice where it may be exposed to heat, like during the roofing manufacturing process.

Acronal NX 4846 demonstrates improved performance across multiple fiber types



Product Properties:

Solids Content (%)	~ 49.0
pH	~ 7.0
Viscosity at 23 °C (cps)	< 1000
Tg (°C)	ca. 40
Appearance	Clear

4846 performs better than typical industry standard binders in a variety of fiber types and sizes. This work was done in the context of UF modification and is applicable to multiple construction and filtration nonwovens applications.

Contacts

Please contact our technical service department for more help on formulating with these products.

Asia
China
Phone: +852 2731-0111
dispersions-pigments-asia@basf.com

Europe, Africa, West Asia
Netherlands
Phone: +31 513 619-619
resins@basf.com

North America
USA
Phone: +1 800 231-7868
dpsolutions@basf.com
www.basf.us/dpsolutions

South America
Brazil
Phone: +55 11 2039-2300
packaging-sa@basf.com

BASF Corporation, Charlotte, NC