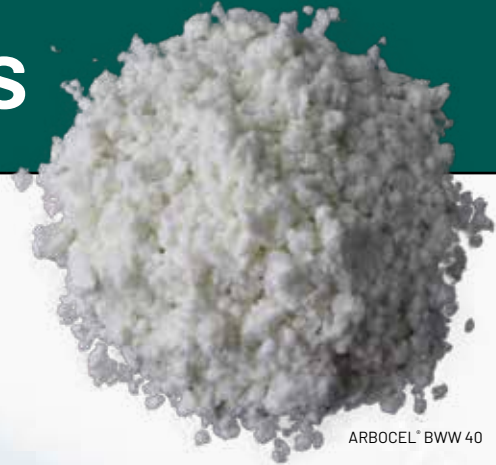
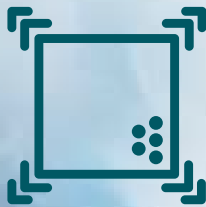


Natural, Textile and Synthetic Products



ARBOCEL® BWW 40



Dimension Stability



Improve Carbon Footprint



Lightweight Compared to Inorganics



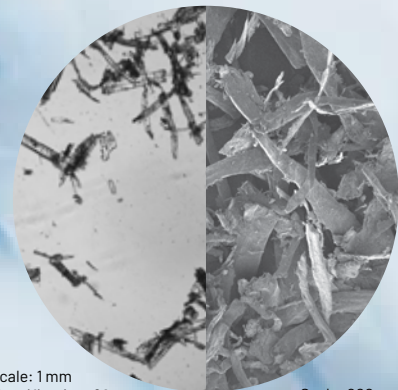
Natural Look and Haptics

POWDERED CELLULOSE

A “green” fiber produced from trees, JRS Powdered Cellulose products are used in a wide variety of applications in automotive parts, ceramics, rubber, plastics and resins, coatings and building materials. Common functionalities include superior binding properties and added strength.

Benefits

- Compatible with most chemicals and solvents
- High chemical purity and very low in ash content
- Provides enhanced structural integrity and dimensional stability
- Non-abrasive
- Superior binding
- Lightweight bulking agent



Scale: 1 mm
Magnification: 80x

Scale: 200 µm

Several grades available

Average fiber length: 300 - 3,000 µm

Standard color: white

Natural, Textile and Synthetic Products

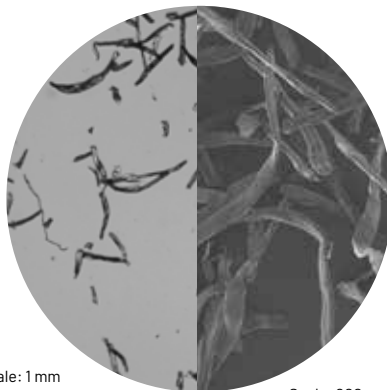


COTTON FIBER

A byproduct of the textile industry, JRS Cotton Fiber is an economical and cost effective substitute for other additives in rubber, plastic compound, apparel lining and texture products.

Benefits

- Matrix reinforcing properties create added dimensional stability
- Inert and insoluble in acids and alkalis
- Highly absorptive
- Soft/non-abrasive



Scale: 1 mm
Magnification: 80x

Scale: 200 μ m

Several grades available
Average fiber length: 250 - 900 μ m
Standard color: white or dark blue
customization available



HEMP FIBER

Produced from a variety grown specifically for industrial use containing less than 0.3% THC, industrial hemp has been used since the late 1500's in a fabric form. Hemp fiber can add enhanced green strength and lightweight bulking.

Benefits

- Can go in compostable materials and bioplastics
- Negative carbon source
- Can provide enhanced tensile strength and impact resistance
- Lightweight bulking agent



Scale: 200 μ m

Standard grades available
Average fiber length: 150 and 250 μ m



ACRYLIC FLOCK MFACSF 3102



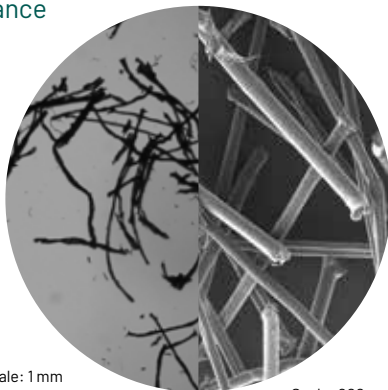
NYLON FLOCK MFNYSF-4401

ACRYLIC FLOCK

Derived from the remnants of the textile industry, JRS Acrylic Flock offers excellent strength and weatherability to exterior products and insulating materials.

Benefits

- Non-absorptive and excellent resistance to sunlight/UV and mildew for excellent weatherability
- Good tensile strength (30-40,000 psi)
- High impact resistance



Scale: 1 mm
Magnification: 80x

Scale: 200 μ m

Several grades available

Average fiber length: 300 - 3,000 μ m

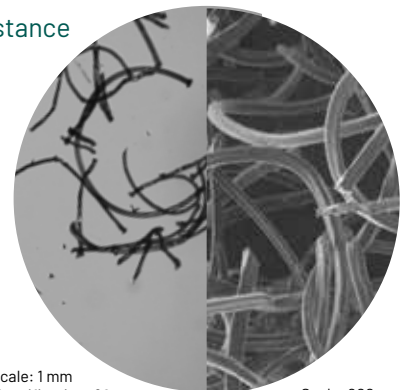
Standard color: white

NYLON FLOCK

Made from synthetic polyamides, JRS Nylon Flock is tough and durable making it well suited to rubber belts for the auto industry, while the self-extinguishing feature is ideal for construction, fireproofing and drapery applications.

Benefits

- Ability to withstand high processing temperatures
- Self-extinguishing when subject to fire
- Excellent tensile strength (40-106,000 psi)
- High abrasion resistance



Scale: 1 mm
Magnification: 80x

Scale: 200 μ m

Several grades available

Average fiber length: 500 - 3,000 μ m

Standard color: white
pastel available



Fibers for Life.

Your JRS Global Partner



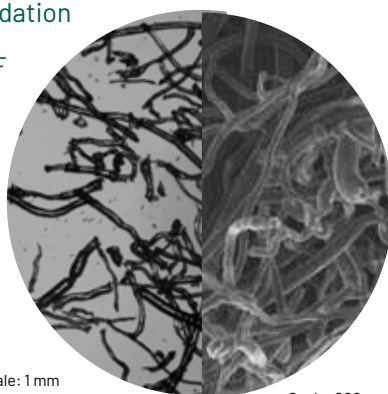
POLYESTER FLOCK MFPRFC-5400

POLYESTER FLOCK

Made from first quality threads, the strength provided by JRS Polyester Flock makes a perfect addition to rubber tapes (such as road tape applications), and specialty compounds (such as automotive and electrical parts).

Benefits

- Excellent resistance to abrasion, sunlight/UV mildew, acids and most abrasive chemicals
- High tensile strength (50-90,000 psi)
- Not prone to degradation
- Melting point 480°F
- Non-absorptive



Scale: 1 mm
Magnification: 80x

Scale: 200 µm

Several grades available

Average fiber length: 300 - 3,000 µm

Standard color: white



- Production Sites
- Sales Companies
- R&D Application Technology Centers

Your JRS partners for North America

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