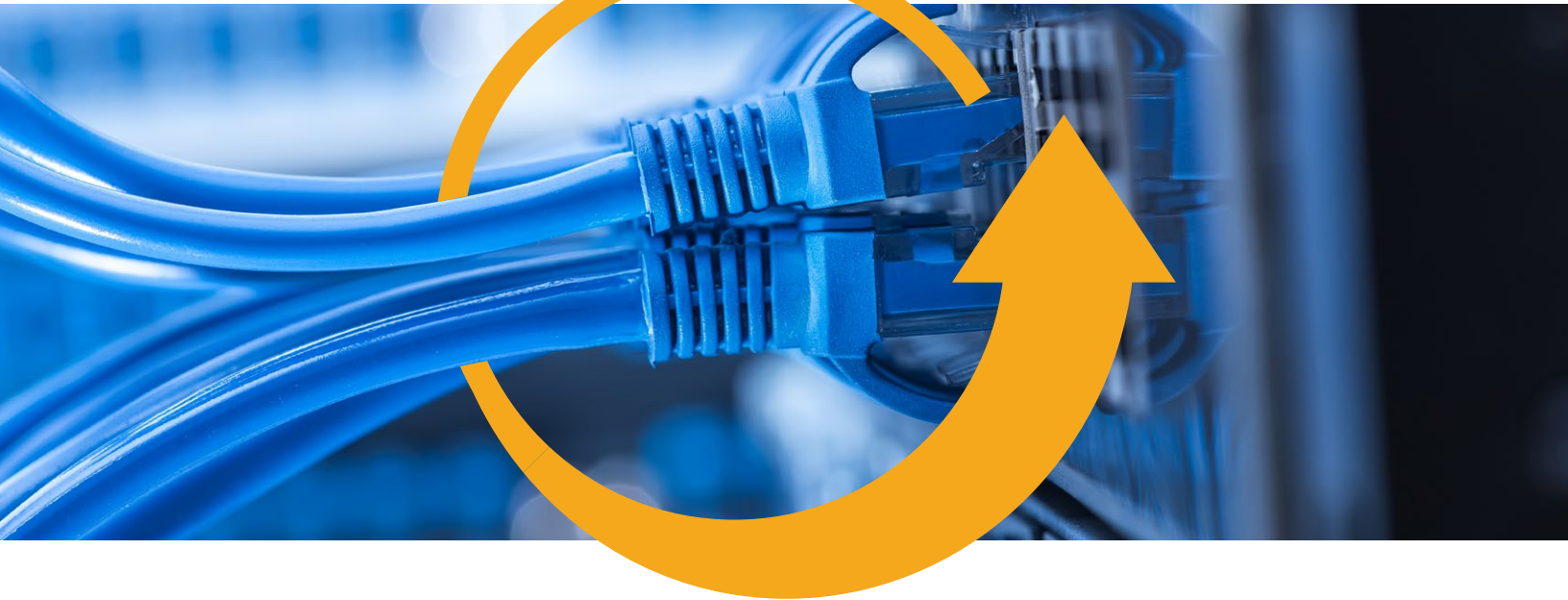


INDUSTRIAL PRODUCT
WIRE & CABLE


SUPERBULK®

Polypropylene Cable Filler Family

SUPERBULK® Cable Fillers

Wire and cable manufacturers are always seeking lighter, stronger, and safer components for their new products. That's why Web Industries developed the SUPERBULK family of polypropylene cable fillers.

A lightweight, lower-cost, highly adaptable alternative to legacy materials, you can trust our SUPERBULK cable fillers to:

- Prevent wicking and water absorption
- Resist acids, alkalis, and mildew
- Generate higher yields than any other natural or synthetic fiber

With complete control over the production process from raw material to finished fiber, we can customize SUPERBULK to your unique specifications, including:

- Custom-matched colors
- Fibrillation levels and fiber diameter/density
- Tensile strength, toughness, and elongation

Because SUPERBULK is formed into yarns and tapes, it is much more flexible than piped-in polypropylene foam or beads. Adaptable to almost any application, it can be used alone or in combination with other materials. Often more than 10% lighter than similar products, it can also be easier to work with.

FR & ZHFR SUPERBULK® Cable Fillers

As regulations on power, energy, control, datacom, and telecom cables are requiring stronger fire-controlling performance, manufacturers are turning to flame-retardant FR SUPERBULK and zero-halogen flame-retardant ZHFR SUPERBULK as an economical way of adding fire retardancy to their products.

Developed to meet strict military, transportation, and energy industry needs, FR SUPERBULK and ZHFR SUPERBULK can be used alone or in combination with other materials to provide cost-effective flame-retardant properties to mission-critical cables.

REACH and RoHS compliant, both products utilize intumescent char formers and low smoke synergists to smother fires before they get out of control. For zero-halogen environments, ZHFR SUPERBULK features a low-smoke density, low-acid-gas, low-fuel formulation to eliminate the harmful halogens found in traditional cable fillers.

Trust a Proven Company

When you choose a SUPERBULK product, you benefit from Web Industries' long history in the wire and cable markets. We provide end-to-end development and manufacturing services, including:

- Specialty shielding, binder, filler, and signal isolation tapes
- Slitting & winding metal armor tapes
- Slitting & winding cable wrap tapes

	SUPERBULK	FR SUPERBULK	ZHFR SUPERBULK
Customizable & Adaptable	✓	✓	✓
Prevents Wicking	✓	✓	✓
Resists Acids, & Alkalies	✓	✓	✓
Water Resistant	✓	✓	✓
REACH/RoHS Compliant	✓	✓	✓
Flame-Retardant		✓	✓
Zero Halogens & Acid Gases	✓		✓
Low Smoke & Fuel Density			✓



SUPERBULK®, FR SUPERBULK®, and ZHFR SUPERBULK®

Physical Properties

PROPERTY	UNIT	SUPERBULK	FR SUPERBULK	ZHFR SUPERBULK	NOTES
Bulk Density	Grams/cc	0.45 Nominal	0.47 Nominal	0.45 Nominal	Note 1
Size	Inch	±10%	±10%	±10%	Note 2
Halogen		0%	<3%	0%	
Shrinkage	Single Strand	1.5% Max.	1.5% Max.	1.5% Max.	Note 3
Melt Temp	°C	165 Nominal	165 Nominal	165 Nominal	
Color		Custom	Custom	Neutral	

(1) Bulk density is a function of denier, size, and twist of the product as it is incorporated into a cable.

(2) Size example: **A.** Superbulk 30 has an equivalent diameter of 0.030". Size range: 0.027"–0.033". **B.** Superbulk 200 has an equivalent diameter of 0.200". Size range: 0.180"–0.220".

(3) Shrinkage is based on a 10' sample exposed to 100°C for 30 minutes.

FR & ZHFR SUPERBULK ONLY

Flame-Retardant Attributes

TEST METHOD	RESULTS	NOTES
ASTM D-2863	Limited Oxygen Index (LOI) ≥ 26	Note 1

(1) Limited oxygen index determined from injection-molded samples.

DISCLAIMER

These values represent typical performance data for SUPERBULK, FR SUPERBULK, and ZHFR SUPERBULK and are not intended to be used as design data. This information is subject to revision as additional product knowledge and experience is gained. Customers may use this information as a guideline for experimentation and qualification of materials in their own cable designs. Web Industries makes no guarantee of results and assumes no obligation or liability whatsoever in connection with this information.

ZHFR SUPERBULK ONLY

Low-Acid-Gas Attributes

TEST METHOD	RESULTS
MIL-SPEC 24643	0% Acid Gas

Low-Smoke-Density Attributes

TEST METHOD	RESULTS
ASTM D-2843	Max. Smoke Density = 29.4% Smoke-Density Rating = 15.3% Color = Gray

About Web Industries

An employee-owned company, Web Industries provides product development, custom converting, and outsource manufacturing for the Wire & Cable, Industrial, Aerospace, Medical, and Personal & Home Care markets.

An industry leader in flexible material converting for nearly 50 years, we also offer value-added services, such as prototype-to-commercial scale production planning, proactive supply chain management, device assembly and packaging, and product life cycle cost management.

Constantly innovating to provide manufacturing solutions for a changing world, we have a long history of applying expertise and creative problem-solving to speed time to market, drive down costs, and maximize the product success of our partners.

Contact Web Industries at [+1 508.573.7979](tel:+1508.573.7979) or sales@webindustries.com and learn how our innovative solutions to product development, contract manufacturing, and product life cycle management can ensure success for your wire & cable product.

