

New Products

Eastman expands Cyphrex family

New product possibilities are on the horizon for manufacturers of wetlaid nonwovens and specialty papers with the addition of a flat PET fiber to the Cyphrex microfibers portfolio. This fiber, with its novel cross section, enables functional benefits such as uniformity, lightweight strength and improved processability compared with other synthetic microfibers. Flat PET Cyphrex fibers are less than 0.4 denier in size.

"In just over a year since launching, we have begun to build a complementary set of Cyphrex microfibers for wetlaid nonwovens manufacturers," says Fred Dulin, director, microfibers platform, Eastman. "By offering round and flat fibers—in addition to the various sizes of Cyphrex—nonwovens producers can more precisely manufacture media to fit their customers' needs, giving them an advantage in formulation capability."

With its distinctive, consistent cross section, the flat PET Cyphrex microfiber improves nonwovens formation and sheet uniformity when compared with other synthetic fibers, according to the company. These characteristics provide functional benefits in the many applications for which dimensional consistency within and across the nonwoven is critical.

In addition, this flat PET fiber provides greater lightweight strength in nonwoven media. Compared with other synthetic fibers, Eastman Cyphrex flat PET fibers enable impressive tensile, tear and burst strength within a very lightweight nonwoven sheet, as well as outstanding green strength. In some applications, these fibers can improve strength-to-weight ratio and dimensional stability.

Because flat PET Cyphrex microfibers disperse easily in water, they are compatible with standard wetlaid and papermaking processes and equipment. These fibers do not require special shear or agitation. In addition, they allow for easy incorporation with a broader range of fibers than most other synthetic microfibers. And, the consistent cross section of the fibers can give wetlaid nonwovens manufacturers confidence in fine-tuning media formulations for desired functionality.

"As with the larger, 4.5-micron fiber added to the Eastman Cyphrex microfibers portfolio earlier this year, the flat PET fiber is part of our ongoing effort to create and give our customers innovative microfibers that fit their specific needs," Dulin says. "This is the latest example of how Cyphrex can keep creating new possibilities for wetlaid nonwovens manufacturers."

1-423-229-2000
www.eastman.com

Medline introduces sterilization wrap

Medline's new Gemini wrap has been shown to have greater material strength than the competition to ensure the integrity of the sterilization process. Constructed of 100% polypropylene, this new generation wrap has been shown to have greater material strength to resist punctures and tears compared to the sterilization wrap of the next closest competitor.

"The Gemini bonded wrap provides our surgical staff with great confidence in our sterilization process and ensures that our instruments and devices will remain sterile until they're ready to be used," says Durenda Dolan, CST, CRCST, CIS, manager SPD, Norton Hospital, Louisville, Ky. "Our goal is to eliminate the chance for contamination and infection so we can deliver better patient outcomes. Medline's new wrap helps us do that."

The Gemini bonded wrap is constructed with two sheets of 100% polypropylene fused together to provide greater strength and improved efficiency. The Gemini wrap can be used with all major sterilization cycles, including pre-vacuum steam cycles, gravity steam cycles, ethylene oxide (ETO) sterilization and STERRAD sterilization.

Offered in five weight grades from lightweight to super heavy-weight, the Gemini wrap is also available in a unique dual color wrap with a pink-colored sheet on the outside and blue on the inside, which can help differentiate between instrument sets. Gemini also has a soft, smooth finish, making it easy to handle and fold.

1-847-949-5500
www.medline.com

Penray introduces synthetic media filters

Penray Inc. has introduced a new line of heavy-duty coolant filters with synthetic media.

The glass fiber-based filtering media is incorporated into a triple-layer design which is built on a structural steel screen with an epoxy coating and wrapped in a nonwoven sheet of polyester. The triple-layer construction allows these new filters to achieve high levels of filtering efficiency and capacity for up to 150,000 miles, far longer than other filters with conventional paper filtration media, according to Penray.

The filters also feature Penray's Need-Release technology which includes a membrane that senses deterioration in the coolant chemistry, and responds by releasing one of its four charges of additives and fortifiers to restore coolant chemistry. Over time, as key components of the coolant are depleted, the Need-Release technology releases additional charges of supplements to again restore the coolant to viability. This process continues over extended periods of time until all four charges have been released.

The filters are designed to last up to 150,000 miles, 15 months, or 3000 operating hours and are compatible with conventional coolants or new-generation extended life coolants (ELCs). They are available for all class 6, 7, and 8 vehicles, as well as for many mobile off-highway and marine applications.

In addition, many of these new synthetic-based coolant filters feature Penray's exclusive Need-Release technology. Unlike time-release filters, which distribute additives at fixed time intervals even when not needed, Penray says its Need-Release filters incorporate "smart" technology.

1-800-323-6329
www.penray.com