

Tecnoflon®

SOLVAY

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Tecnoflon® FKM

Peroxide-Curable Fluoroelastomers for Wearable Devices

SPECIALTY POLYMERS

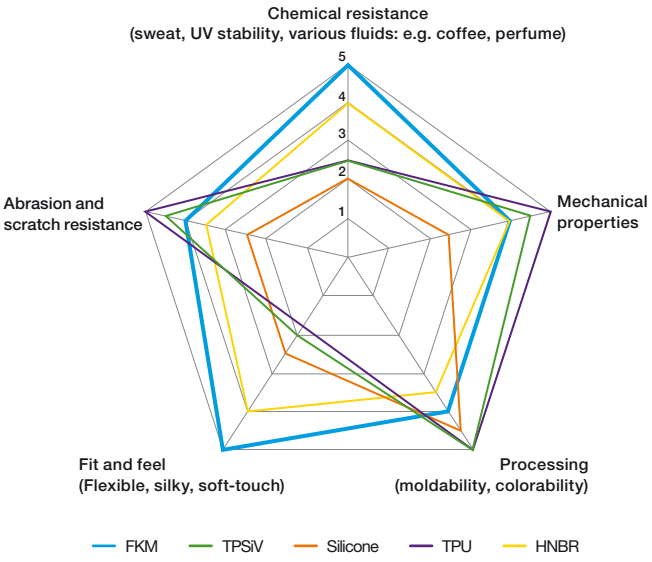
The Best Fit for Wearable Technology

Tecnoflon® fluoroelastomers (FKM) are partially-fluorinated synthetic rubbers engineered to endure the most demanding environments thanks to a superior chemical resistance and elevated temperature stability.

These properties further include a dense and superb-quality feel for improved fit and comfort, which is precisely why high quality watch band manunfacturers have for many years been choosing Tecnoflon® FKM, especially preferring its peroxide-curable grades over competitive elastomers.

Also, the choice for Tecnoflon® FKM has afforded them the opportunity to deliver products with unique benefits. These include:

- Ultra-comfortable, soft-to-the-touch feel
- Better sweat and stain resistance
- Greater suppleness for an easier one-wrist clasp
- Reduced band abrasion
- More robustness and tear resistance
- Easy to match popular colors



Toxicological Information

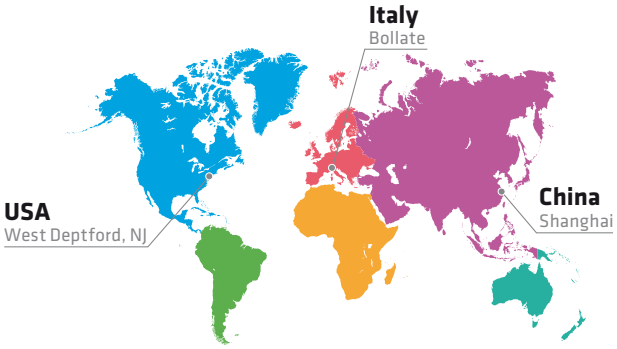
All Tecnoflon® FKM grades are REACH-compliant. Select grades have been submitted for ISO 10993 biocompatibility testing, now qualifying to the current high standards for:

- Cytotoxicity
- Systemic toxicity
- Intracutaneous studies
- Maximization sensitization studies
- Physicochemical tests

Technical Support

The new Color Lab at the Specialty Polymers R&I Center in Bollate, Italy, offers technical support and can develop customized compounds to match any color. In addition to ensuring time-to-market reduction, our inventory of color masterbatches helps accelerate the development of new colored compounds

Specific tools and testing capabilities are used by a trained, dedicated team: clean mixing area, high-precision Spectrophotometer (X-Rite i7800), Light Box, Linear Abraser for wear-testing, allocated presses and molds, predictive software for pigment dosage - and much more, while a Global Customer Support team remains constantly available in both the USA and China.







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