

Today's consumers have become increasingly discerning about food and beverage freshness and quality, demanding assurance from manufacturers of the purity and safety of everything that will be consumed by their families. As a result, food and beverage manufacturers and their packaging suppliers require materials that meet rigorous standards for sensory neutrality to optimize food and beverage quality and enjoyment.



Sensory-Sensitive TPE

Polymax^{TPE} specializes in the development of premium thermoplastic elastomer compounds for North American manufacturers across a diverse range of industries. The company has particular expertise in the development of custom compounded TPE materials for use in food and beverage packaging applications in which sensory-sensitivity is a concern. The Polymax^{TPE} product portfolio includes formulations that deliver organoleptic neutrality, superior clarity, and a wide range of ergonomic, aesthetic and sealing characteristics desirable for packaging applications. With the industry's widest range of premium quality thermoplastic elastomers, Polymax^{TPE} can provide solutions for many of the challenges facing food and beverage manufacturers.



- Organoleptic neutrality
- Superior clarity
- Excellent sealing properties
- Range of ergonomic characteristics
- Customized aesthetics

Sensory-Sensitive Applications

Custom Solutions

Thermoplastic elastomer materials are used to manage the permeation of carbon dioxide, water vapor and oxygen, and to provide precise sealing properties in screw cap and engineered cork closures used on wine, beer, liquors, and soft drinks. TPE is used inside wine boxes and in crimped tubing for the delivery of milk and dairy products and commercial food packaging. Polymax^{TPE} sensory-sensitive materials also provide product performance enhancement and design differentiation opportunities for food storage containers and other consumer products.



Quality Assurance

Polymax^{TPE} has developed a quality assurance program and testing protocol for sensory-sensitive materials, including a panel of in-house technicians who are trained in the evaluation of sensory properties. Each production lot is tested by the panel to ensure that the material complies with customer specified sensory characteristics and physical properties. Polymax^{TPE} recyclable sensory-sensitive materials are designed to meet or exceed leading global quality requirements for food and beverage contact including those of the FDA, EU and GB.

Technical Expertise

The company's technical expertise in polymer science and advanced compounding allows Polymax^{TPE} to create innovative technology solutions that enhance manufacturing efficiency, reduce cost and improve performance of products made with thermoplastic elastomers.



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