

SOFT AND FLEXIBLE, SAFE AND RELIABLE



TPE AND TPV Tubing Products

KENT ELASTOMER ADVANTAGE

Do business with Kent Elastomer Products and gain American-made quality, quick turnaround and outstanding service from people who understand your business and your market. Learn more about our TPE and TPV tubing at kentelastomer.com.

Speciality-engineered thermoplastic elastomer (TPE) and thermoplastic vulcanate (TPV) from Kent Elastomer Products are cost-effective alternatives for latex, silicone and polyvinyl chloride (PVC) compounds.

Excellent physical properties and performance characteristics include:

- Cleanliness
- Easy sterilization
- Excellent clarity
- Dimensional stability
- Chemical inertness
- Tighter tolerances
- Good vapor- and gas-transmission properties
- Flexibility

TPE/TPV tubing is sought-after for numerous applications, particularly in the medical and food/beverage industries. We carry FDA, NSF and USP Class VI material compounds to serve these markets.

Buying TPE/TPV from Kent Elastomer Products means you gain American-made quality, shorter lead times and delivery and consistent, reliable service from people who understand you, your business and your market.

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Thermoplastic Elastomer Material Data Sheets

THERMOPLASTIC ELASTOMERS (TPE) TYPICAL PROPERTIES

Compound	Durometer Shore A	Tensile @ Break (psi)	Elongation (%)	Characteristics
K7000	29	1100	830%	Translucent, slightly tacky surface, USP Class VI
K4500	40	1700	780%	Translucent, excellent alternative for natural rubber, USP class VI
K2170	41	900	700%	White, can be formulated for X-ray absorption
K8600	57	1800	780%	Translucent, USP Class VI
K9001	68	870	465%	Translucent, excellent alternative to silicone, USP class VI
K4546	46	1716	783%	Translucent, USP class VI

All TPE compounds listed above are suitable up to 195°F

THERMOPLASTIC VULCANIZATES (TPV) TYPICAL PROPERTIES

Compound	Durometer Shore A	Tensile @ Break (psi)	Elongation (%)	Characteristics
K4300	59	754	390%	All TPV compounds are opaque and provide long-term resistance to high heat, oil and hot fluids
K2150	70	697	290%	
K4364	69	1020	450%	
K4173	78	1280	490%	

GENERAL CHARACTERISTICS

- Ease of sterilization
- Chemical inertness
- Dimensional stability
- Good vapor and gas transmission properties
- Excellent resistance to water, acids and bases
- All compounds meet FDA requirements
- All products manufactured in FDA-registered facilities
- All compounds are phthalate-free
- Available from 1/16" (.063") I.D. with O.D.'s up to 1" in a variety of wall thicknesses

The buyer must perform all tests necessary to confirm whether the product and its performance and qualities are suitable for the intended application. Final determination of fitness of the product for the intended application is the buyer's responsibilities. Kent Elastomer shall not be liable for any misuse or misapplication of its products.



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