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Technical Data Sheet

K4173 Thermoplastic Vulcanizate

Kent's TPVs are an excellent choice for applications that require performance while remaining economical. For over a decade leaders in the food and beverage industry have partnered with Kent to fill this need. Kent's TPVs provide durability, flexibility, and excellent long-term resistance to heat, hot fluids, oils, and dairy products. Kent's FDA-registered extrusion facility is maintained and adheres to ISO9000 and GMP guidelines. State of the art in-line laser gauges monitor precise and strict dimensional tolerances.

Typical Physical Properties

Properties based on injection molded samples

ASTM D-2240	ASTM D-412	ASTM D-412	ASTM D-412
<u>Durometer (shore A)</u>	<u>Tensile @ Break</u>	<u>Elongation</u>	<u>100% Modulus</u>
78	1280 psi (8.8 MPa)	490%	522 psi (3.6 MPa)

Dimensions are controlled by in-line laser gauges. Products are made in the USA.

Key Features

Tear Strength: 154 pli (181.5 kg/cm)

Color: Opaque

Tan

Natural Finish: Matte

Other surface finishes available

Resistant to Ozone

Compatible: fatty food use*

Excellent colorability

Soft rubbery feel

Low odor transfer

Low taste transfer

Excellent flex fatigue resistance

Recyclable

Sterilization:

Ethylene oxide Gamma ray

Can be resterilized

Biocompatibility

Meets FDA food grade requirements

NSF51 compliant

Regulatory Compliance

DEHP free

UL Listing

Phthalate free

BPA Free

**Use is related to the FDA status of the material (see applicable CFR section) and the end use of the application. The end use needs to be evaluated to determine if it is acceptable for fatty food and/or hot liquid use.*

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 responsibility. Kent Elastomer shall not be liable for any misuse or misapplication of its products.