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Technical Data Sheet

K2702 Thermoplastic Elastomer

K2702 is specially engineered and contains NO euricimide wax for use in Medical Device applications. KEP Thermoplastics has been used by many of the world's leading medical device and Food & Beverage companies for over 20 years. Thermoplastic Elastomers offer a wide range of choices, providing specific properties, and functional benefits for new and existing applications. 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 extruded tubing samples

ASTM D-2240	ASTM D-412	ASTM D-412	ASTM D-412	ASTM D-412
<u>Durometer (shore A)</u>	<u>Tensile @ Break</u>	<u>Elongation</u>	<u>300% Modulus</u>	<u>500% Modulus</u>
29	1100 psi (7.6 MPa)	950%	175 psi (1.2 MPa)	330 psi (2.3 MPa)

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

Key Features

Color: Translucent
 Natural Colors are available

Operating Temp. -40 to 195°F (-40 to 91°C)
 Compatible: fatty food use*
 Compatible: hot liquid use* Good gas permeability
 Excellent colorability
 Soft rubbery feel
 Low extractables

Sterilization:

Ethylene oxide
 Dimensionally stable

Biocompatibility

Meets FDA food grade requirements

Regulatory Compliance

DEHP free
 Free of animal derivatives
 Phthalate free
 BPA Free
 No sources of BSE or TSE

**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.