



1500 St. Clair Avenue
 Kent, Ohio 44240-0668
 Phone: (330) 673-1011
 Toll Free: (800) 331-4762
 Fax: (330) 673-1351

Technical Data Sheet

K8600 Thermoplastic Elastomer

KEP Thermoplastics have 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 injection molded samples

<u>ASTM D-2240</u>	<u>ASTM D-412</u>	<u>ASTM D-412</u>	<u>ASTM D-412</u>	<u>ASTM D-412</u>
<u>Durometer (shore A)</u>	<u>Tensile @ Break</u>	<u>Elongation</u>	<u>100% Modulus</u>	<u>300% Modulus</u>
57	1800 psi (12.4 MPa)	780%	280 psi (1.9 MPa)	320 psi (2.2 MPa)

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

Key Features

Tear Strength: 155 pli (182.7 kg/cm)

Color: Translucent
 Natural Colors are available

Natural Finish: Matte
 Other surface finishes available

Sterilization:

Ethylene oxide Gamma ray
 Dimensionally stable
 Can be resterilized

Operating Temp. -40 to 195°F (-40 to 91°C)

Resistant to Ozone Bondable to Polypropylene
 Gamma Stable Soft rubbery feel

Compatible: fatty food use*
 Compatible: hot liquid use*
 Excellent colorability

Biocompatibility

Meets FDA food grade requirements
 USP Class VI

Regulatory Compliance

DEHP free
 Free of animal derivatives
 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.