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# Technical Data Sheet

## K4060 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 extruded tubing 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>
53	2100 psi (14.5 MPa)	900%	195 psi (1.3 MPa)	400 psi (2.8 MPa)

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

### Key Features

Tear Strength: 148 pli (174.4 kg/cm)

**Color:** Translucent  
 Natural Colors are available

**Natural Finish:** Matte  
 Other surface finishes available

Abrasion resistant  
 Sealable  
 Gamma Stable  
 Compatible: fatty food use\*  
 Compatible: hot liquid use\*

Bondable to Polypropylene  
 Excellent colorability  
 Soft rubbery feel

### **Sterilization:**

Ethylene oxide Gamma ray  
 Dimensionally stable Color stable

### 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.*