



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

# Technical Data Sheet

## K9001 Thermoplastic Elastomer

K-9001 is our lower cost alternative to C-Flex®\*. K-9001 is designed for applications that require excellent memory and/or elasticity. It is translucent, non-phthalate and non-halogenated with very low levels of extractable & leachable. K-9001 is recommended for use in peristaltic pumps where resistance to abrasion is key.

\*(C-Flex® is a registered trademark of Saint-Gobain Performance Plastics.)

### Typical Physical Properties

Properties based on injection molded 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>100% Modulus</u>	<u>300% Modulus</u>
68	870 psi (6 MPa)	470%	450 psi (3.1 MPa)	660 psi (4.6 MPa)

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

### Key Features

**Color:** Translucent Soft rubbery feel  
 Natural Colors are available  
**Natural Finish:** Matte  
 Other surface finishes available

**Sterilization:**  
 Autoclavable to 135°C  
 Color stable

### Biocompatibility

USP Class VI

### Regulatory Compliance

Hemotoxicity (ISO 10993-4)  
 Cytotoxicity (ISO 10993-5)

*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.*