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# Material Data Sheet

## K2100 Thermoplastic Vulcanate

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>
60	711 psi (4.9 MPa)	410%	290 psi (2 MPa)

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

### Key Features

Tear Strength: 91.4 pli (107.7 kg/cm)

<b>Color:</b> Opaque	Resistant to Ozone
Tan	Excellent colorability
<b>Natural Finish:</b> Matte	Soft rubbery feel
Other surface finishes available	Low extractables
	Recyclable

### **Sterilization:**

Ethylene oxide    Gamma ray    Autoclavable to 135°C  
 Dimensionally stable  
 Can be resterilized

### Biocompatibility

USP Class VI

### Regulatory Compliance

EU Regulation RoHS	EU 2003/11/EC
REACH regs, SVHC content	
DEHP free	
Phthalate free	
BPA Free	

*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.*