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Material Data Sheet

K8250 PVC (Polyvinyl Chloride)

Kent's PVC compounds are the choice of many of the world's leading medical device manufacturers. The past 50 years Kent has demonstrated the ability to satisfy the demanding requirements of the medical health care industry. The low cost and high performance of PVC materials make it possible to manufacture devices widely used in medical applications such as tubing for blood taking and blood giving sets, blood pressure cuffs, heart-lung bypass sets, haemodialysis set etc. 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>
50	1500 psi (10.3 MPa)	375%	450 psi (3.1 MPa)

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

Key Features

Color: Opaque White	Abrasion resistant Sealable	Recyclable
Natural Finish: Other surface finishes available	Resistant to Ozone Gamma Stable Soft rubbery feel	

Sterilization:

Ethylene oxide Gamma ray
 Dimensionally stable Color stable

Biocompatibility

Meets FDA food grade requirements
 USP Class VI
 NSF51 compliant

Regulatory Compliance

EU Regulation RoHS	Phthalate free	Not made with natural rubber latex;
EC 1907/2006	BPA Free	
REACH regs, SVHC content	Proposition 65	
DEHP free	EU 2003/11/EC	
Free of animal derivatives	No sources of BSE or TSE	

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.