

# Sorbent Materials



## Anasorb® — a Trademark of Quality

In 1973, SKC made the first commercial sorbent tube to be sold to NIOSH. Since then, sorbent tube technology has continued to advance and SKC is proud to have played a major role in this effort. To more easily identify SKC proprietary sorbents in air sampling methods and other technical areas, the name Anasorb became a registered trademark in 1990. While the first sorbents with the Anasorb trademark were beaded materials, the Anasorb name is used for SKC proprietary sorbents of all types.

Developments in sorbent technology have provided superior materials for the collection of compounds in the environment. SKC sorbent materials are considered for sorbent tube applications only after meeting stringent specifications for environmental applications and undergoing extensive cleaning procedures to ensure low backgrounds.

## Ordering Information

Sorbent Name	Description (Mesh Size)	Sampling Properties	Cat. No. (Amt.)
Anasorb 727	Polystyrene-based polymer (20/40)	High surface area; very unreactive, extremely hydrophobic; for wide range of compounds with boiling points between 50 and 200 C; all-purpose sorbent for analysis by thermal or solvent desorption	Special order
Anasorb 747	Beaded active carbon (20/40)	High surface area; capacity for organic vapors similar to petroleum-based and coconut-shell charcoal; effective collector of non-polar and polar organic compounds; normally used with solvent desorption	P226200 (100 grams)
Anasorb CSC	Coconut-shell Charcoal, Lot 2000 (20/40)	High surface area; for sampling a broad range of primarily non-polar compounds	P2260101 (100 grams) P2260102 (24 grams)
Anasorb GCB1	Graphitized Carbon Black (20/40) (60/80)	Moderate surface area (100 m <sup>2</sup> /g); suitable for sampling compounds of intermediate to high volatility <i>Equivalent to Carbopack B</i>	P226128 (10 grams, 20/40 mesh) P226132 (10 grams, 60/80 mesh)
Anasorb GCB2	Graphitized Carbon Black (20/40)	Low surface area (10 to 13 m <sup>2</sup> /g); useful in collecting semi-volatile organic compounds <i>Equivalent to Carbopack C</i>	P226127 (10 grams)

## Ordering Information (Cont)

Sorbent Name	Description (Mesh Size)	Sampling Properties	Cat. No. (Amt.)
<b>Anasorb JXC</b>	Charcoal derived from residue of petroleum products (20/40)	High surface area; for sampling a wide range of both polar and non-polar products	P2263601 (100 grams)
<b>Tenax® TA</b>	Porous polymer (20/35) (35/60)	Low surface area; suitable for medium to high boiling compounds; widely used in thermal desorption applications Suitable for use in EPA Method TO-1	P226126 (10 grams, 20/35 mesh) P226125 (10 grams, 35/60 mesh)
<b>Tenax GR</b>	Tenax/graphite composite (20/35)	Low surface area; extends the range of Tenax to lower boiling compounds; widely used in thermal desorption applications	P226124 (10 grams)
<b>XAD®-2</b>	Polystyrene/divinyl benzene-based polymer (20/60)	Moderate surface area; hydrophobic; suitable for sampling polyaromatic hydrocarbons and chlorinated pesticides; normally used with solvent desorption	P226201 (100 grams)
<b>Silica Gel</b>	Amorphous, synthetic silicon dioxide (20/40)	High surface area and very hydrophilic; used in the collection of aliphatic and aromatic amines, chlorinated phenols, and some alcohols	P22610 (100 grams)
<b>Anasorb C300</b>	Manganese dioxide/copper oxide catalyst (20/40)	Moderate surface area; suitable for sampling elemental mercury vapor	P226171 (100 grams)

### **SKC Limited Warranty and Return Policy**

SKC products are subject to the SKC Limited Warranty and Return Policy, which provides SKC's sole liability and the buyer's exclusive remedy. To view the complete SKC Limited Warranty and Return Policy, go to <http://www.skcinc.com/warranty>.

