

Electrostatics Materials Kit

Model No. SF-9068

Equipment List



Included Equipment
1. Glass rod (1)
2. PVC rod (gray, hollow rod) (1)
3. Perspex rod (clear, hollow rod) (1)
4. Insulating pivot stands (for mounting the rods) (2)
5. Rubbing cloth, silk (1)
6. Rubbing cloth, wool (1)
7. Rubbing cloth, fur (1)

For replacements, use Model Number SF-9068. Individual items are not sold separately.

For technical support, contact one of the following:

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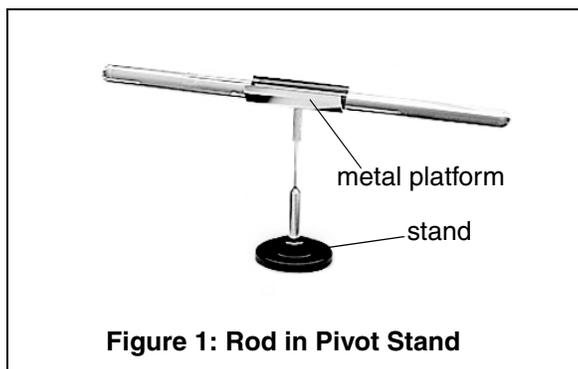
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Introduction

The Electrostatics Materials Kit (SF-9068) is used for studying electrostatic charges. With the Electrostatics Materials Kit, students can rub any of three types of cloths (silk, wool, fur) over any of three types of rods (glass, PVC, Perspex) to produce a positive or negative charge. Each rod mounts horizontally on either of the supplied pivot stands.

Equipment Setup

1. Remove the cork from the pivot stand.
2. Insert the metal resting platform on the stand.
3. Place the rod horizontally in the pivot stand.



Suggested Application

Rub each rod with each of the three rubbing cloths. For each case, listen, look, and feel for the presence of charge. Record your results in a table. Explain your results.

Typical Results

PASCO tested each of the rods with each of the rubbing cloths. After rubbing each of the various types of rods with the different cloths, we obtained the following results.

Rod	Rod's Charge with Silk Cloth	Rod's Charge with Fur Cloth	Rod's Charge with Wool Cloth
Glass	Positive	Positive	Positive
PVC	Negative	Negative	Negative
Perspex	Negative	Negative	Positive