

# GENERIC MATERIAL

## *POLYPHENYLENE SULFIDE* *(PPS)*

### COMMERCIAL SUPPLIER

Chevron Phillips Company  
Sabic  
Ticona

### COMMERCIAL NAME

Ryton  
Verton  
Fortron

### TYPICAL APPLICATIONS

Hydraulic Components, Bearings, Cams Valves and Electronic Parts

### ADVANTAGES

- > Capable of extended usage at 450 F
- > Good radiation resistance
- > Good solvent and chemical resistance
- > Excellent dimensional stability
- > Flame retardant
- > Low water absorption

### DISADVANTAGES

- > Difficult to process (high melt temps.)
- > High cost
- > Fillers required to obtain good impact strength
- > Attacked by chlorinated hydrocarbons