

# GENERIC MATERIAL

## *POLYETHYLENE* *(PE)*

### COMMERCIAL SUPPLIER

Dupont  
Dow  
PolyOne  
Ashland

### COMMERCIAL NAME

Dupont DPE  
Dow  
Edgetek  
Hival

### TYPICAL APPLICATIONS

Consumer Products, Houseware Items, Electronic Wire/Cable Insulators and Medical Products

### ADVANTAGES

- > Low cost
- > Impact resistance from -40 to 194 F.
- > Moisture resistance
- > Good chemical resistance
- > Food grades available
- > Readily processed by all thermoplastic methods

### DISADVANTAGES

- > Poor weather resistance
- > High thermal expansion
- > Subject to stress cracking
- > Difficult to bond
- > Flammable
- > Poor temperature capability