



## KEY REQUIREMENTS

- Customer looking to replace metal. Material needs to:
  - Pass ampere test at 10A and 16A conditions
  - Pass glow wire test at 750°C at 1.5mm thickness
  - Have a lubrication effect and dimensional stability at an elevated temperature of 110°C
  - Meet test criteria of 250K cycles switch on/off without failure or dimensional changes

**LOW FRICTION + WEAR RESISTANT**

## GLOBAL ELECTRICAL EQUIPMENT PROVIDER SWITCHGEAR PLUNGER

### AVIENT SOLUTION

LubriOne™ Internally Lubricated Formulations

### WHY AVIENT?

- Reduced risk of shock by replacing brass with polymer formulation that met all key electrical and functional performance criteria
- Eliminated the need for secondary lubricant due to self-lubricating properties of LubriOne
- Enabled in-house molding which removed reliance on external part supplier and allowed direct management of global inventory levels

### LEARN MORE