

## TECAFORM® AH SD - Stock Shapes

### Chemical Designation

POM-C (Polyacetal (Copolymer))

### Colour

natural opaque

### Density

1.33 g/cm<sup>3</sup>

### Fillers

antistatic agent

### Main features

- non-sloughing
- easy to machine
- good wear properties
- good chemical resistance
- good mechanical properties
- antistatic

### Target Industries

- aircraft and aerospace technology
- protection of electronics
- computer technology
- explosion protection
- mining industry
- business machines
- conveyor technology

| <b>Mechanical properties</b>          | <b>condition</b>    | <b>value</b>                      |           | <b>test method</b> | <b>comment</b> |
|---------------------------------------|---------------------|-----------------------------------|-----------|--------------------|----------------|
| Tensile strength                      |                     | 6,600                             | psi       | ASTM D 638         |                |
| Elongation at break                   |                     | 45                                | %         | ASTM D 638         |                |
| Flexural strength                     |                     | 7,000                             | psi       | ASTM D 790         |                |
| Modulus of elasticity (flexural test) |                     | 210,000                           | psi       | ASTM D 790         |                |
| Impact strength (Izod)                |                     | 1.8                               | ft-lbs/in | ASTM D 256         |                |
| Coefficient of friction               | Static              | 0.11                              |           | -                  |                |
| Coefficient of friction               | Dynamic             | 0.18                              |           | -                  |                |
| <b>Thermal properties</b>             | <b>condition</b>    | <b>value</b>                      |           | <b>test method</b> | <b>comment</b> |
| Deflection temperature                | @264 psi            | 190                               | °F        | ASTM D 648         |                |
| Service temperature                   | Long Term           | 180                               | °F        | -                  |                |
| <b>Electrical properties</b>          | <b>condition</b>    | <b>value</b>                      |           | <b>test method</b> | <b>comment</b> |
| Specific surface resistance           |                     | 10 <sup>9</sup> -10 <sup>11</sup> | Ω/square  | ASTM D 257         |                |
| <b>Other properties</b>               | <b>condition</b>    | <b>value</b>                      |           | <b>test method</b> | <b>comment</b> |
| Moisture absorption                   | @ saturation, 73 °F | 0.2                               | %         | ASTM D 570         |                |
| Flammability (UL94)                   |                     | HB                                |           | -                  |                |

→ Resin specification:  
ASTM D6778-06 POM0200 superseding ASTM D4181-00 POM200  
Shapes specification:  
ASTM D6100-11 S-POM0200

Material properties and averages can vary from one manufacturer to another. These properties are given as reference without any obligation or liability on behalf of Precision Punch and Plastics.