

# BESTPOM H14/01

Acetal (POM) Homopolymer

Triesa Plastics

## Message:

Acetal homopolymer resin natural medium fluidity, lubricated, is a medium viscosity resin which combines good physical properties and good injection

| General Information                     |                     |                   |             |
|-----------------------------------------|---------------------|-------------------|-------------|
| Additive                                | Lubricant           |                   |             |
| Features                                | Good Processability |                   |             |
|                                         | Homopolymer         |                   |             |
|                                         | Lubricated          |                   |             |
|                                         | Medium Flow         |                   |             |
|                                         | Medium Viscosity    |                   |             |
| Uses                                    | Gears               |                   |             |
| Appearance                              | Natural Color       |                   |             |
| Forms                                   | Pellets             |                   |             |
| Processing Method                       | Injection Molding   |                   |             |
| Physical                                | Nominal Value       | Unit              | Test Method |
| Density                                 | 1.42                | g/cm <sup>3</sup> | ISO 1183    |
| Melt Mass-Flow Rate (MFR)               | 14                  | g/10 min          | ISO 1133    |
| Molding Shrinkage                       | 2.0                 | %                 | ISO 294-4   |
| Water Absorption (23°C, 24 hr)          | 0.30                | %                 | ISO 62      |
| Humidity - Pellets                      | 0.20                | %                 | ISO 1110    |
| Hardness                                | Nominal Value       | Unit              | Test Method |
| Shore Hardness (Shore D)                | 83                  |                   | ISO 868     |
| Mechanical                              | Nominal Value       | Unit              | Test Method |
| Tensile Modulus                         | 3000                | MPa               | ISO 527-2   |
| Tensile Stress                          | 70.0                | MPa               | ISO 527-2   |
| Tensile Strain (Break)                  | 30                  | %                 | ISO 527-2   |
| Impact                                  | Nominal Value       | Unit              | Test Method |
| Charpy Notched Impact Strength (23°C)   | 8.0                 | kJ/m <sup>2</sup> | ISO 179     |
| Charpy Unnotched Impact Strength (23°C) | No Break            |                   | ISO 179     |
| Thermal                                 | Nominal Value       | Unit              | Test Method |
| Heat Deflection Temperature             |                     |                   |             |
| 0.45 MPa, Unannealed                    | 165                 | °C                | ISO 75-2/B  |
| 1.8 MPa, Unannealed                     | 95.0                | °C                | ISO 75-2/A  |
| Vicat Softening Temperature             | 160                 | °C                | ISO 306     |
| Electrical                              | Nominal Value       | Unit              | Test Method |
| Surface Resistivity                     | 1.0E+15             | ohms              | IEC 60093   |

|                        |               |        |             |
|------------------------|---------------|--------|-------------|
| Electric Strength      | 32            | kV/mm  | IEC 60243-1 |
| Flammability           | Nominal Value | Unit   | Test Method |
| Burning Rate           | < 100         | mm/min | FMVSS 302   |
| Flame Rating           | HB            |        | UL 94       |
| Injection              | Nominal Value | Unit   |             |
| Drying Temperature     | 80.0          | °C     |             |
| Drying Time            | 2.0 to 4.0    | hr     |             |
| Processing (Melt) Temp | 180 to 200    | °C     |             |
| Mold Temperature       | 40.0 to 80.0  | °C     |             |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

