

# ALCOM® POM 770/1 SLAP

Acetal (POM) Copolymer

ALBIS PLASTIC GmbH

## Message:

ALCOM® POM 770/1 SLAP is an Acetal (POM) Copolymer product filled with filler. It is available in Asia Pacific, Europe, or North America. Applications of ALCOM® POM 770/1 SLAP include engineering/industrial parts and automotive.

Characteristics include:

REACH Compliant

RoHS Compliant

Copolymer

Heat Stabilizer

Wear Resistant

| General Information                         |                          |           |             |
|---------------------------------------------|--------------------------|-----------|-------------|
| Filler / Reinforcement                      | Filler                   |           |             |
| Additive                                    | Heat Stabilizer          |           |             |
| Features                                    | Copolymer                |           |             |
|                                             | Good Wear Resistance     |           |             |
|                                             | Heat Stabilized          |           |             |
| Uses                                        | Automotive Applications  |           |             |
|                                             | Bearings                 |           |             |
|                                             | Gears                    |           |             |
|                                             | Machine/Mechanical Parts |           |             |
|                                             | Wheels                   |           |             |
| Agency Ratings                              | EC 1907/2006 (REACH)     |           |             |
| RoHS Compliance                             | RoHS Compliant           |           |             |
| Physical                                    | Nominal Value            | Unit      | Test Method |
| Density                                     | 1.40                     | g/cm³     | ISO 1183    |
| Melt Volume-Flow Rate (MVR) (190°C/2.16 kg) | 8.00                     | cm³/10min | ISO 1133    |
| Mechanical                                  | Nominal Value            | Unit      | Test Method |
| Tensile Modulus                             | 2500                     | MPa       | ISO 527-2   |
| Tensile Stress                              | 55.0                     | MPa       | ISO 527-2   |
| Tensile Strain (Break)                      | 20                       | %         | ISO 527-2   |
| Flexural Modulus                            | 2300                     | MPa       | ISO 178     |
| Flexural Stress                             | 70.0                     | MPa       | ISO 178     |
| Impact                                      | Nominal Value            | Unit      | Test Method |
| Charpy Notched Impact Strength              |                          |           | ISO 179/1eA |
| --                                          | 5.0                      | kJ/m²     |             |
| -40°C                                       | 5.0                      | kJ/m²     |             |

| Charpy Unnotched Impact Strength<br>(-40°C)          | 60            | kJ/m <sup>2</sup> | ISO 179/1eU |
|------------------------------------------------------|---------------|-------------------|-------------|
| Thermal                                              | Nominal Value | Unit              | Test Method |
| Heat Deflection Temperature (1.8 MPa,<br>Unannealed) | 100           | °C                | ISO 75-2/A  |
| Vicat Softening Temperature                          | 142           | °C                | ISO 306/B50 |
| Injection                                            | Nominal Value | Unit              |             |
| Drying Temperature                                   |               |                   |             |
| Circulation Dryer                                    | 100 to 110    | °C                |             |
| Desiccant Dryer                                      | 100 to 110    | °C                |             |
| Drying Time                                          |               |                   |             |
| Circulation Dryer                                    | 3.0 to 5.0    | hr                |             |
| Desiccant Dryer                                      | 2.0 to 3.0    | hr                |             |
| Processing (Melt) Temp                               | 180 to 220    | °C                |             |
| Mold Temperature                                     | 60.0 to 120   | °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

