

# Titacon® EW901

Acetal (POM) Copolymer

Titan Plastics Compounds Co., Ltd.

## Message:

Titacon® EW901 is a polyoxymethylene (POM) copolymer material. This product is available in the Asia-Pacific region.

Titacon®The main features of EW901 are:

flame retardant/rated flame

Lubrication

| General Information                                        |               |                   |             |
|------------------------------------------------------------|---------------|-------------------|-------------|
| Additive                                                   | Lubricant     |                   |             |
| Features                                                   | Lubrication   |                   |             |
| Appearance                                                 | Natural color |                   |             |
| Physical                                                   | Nominal Value | Unit              | Test Method |
| Density                                                    | 1.37          | g/cm <sup>3</sup> | ISO 1183    |
| Molding Shrinkage <sup>1</sup> (3.00 mm)                   | 2.0 - 2.2     | %                 |             |
| Mechanical                                                 | Nominal Value | Unit              | Test Method |
| Tensile Stress                                             | 55.0          | MPa               | ISO 527-2   |
| Tensile Strain (Break)                                     | > 35          | %                 | ISO 527-2   |
| Flexural Modulus                                           | 2350          | MPa               | ISO 178     |
| Flexural Stress                                            | 75.0          | MPa               | ISO 178     |
| Impact                                                     | Nominal Value | Unit              | Test Method |
| Charpy Notched Impact Strength                             | 5.5           | kJ/m <sup>2</sup> | ISO 179/1eA |
| Thermal                                                    | Nominal Value | Unit              | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed)          | 80.0          | °C                | ISO 75-2/A  |
| Electrical                                                 | Nominal Value | Unit              | Test Method |
| Surface Resistivity                                        | 2.0E+14       | ohms              | IEC 60093   |
| Volume Resistivity                                         | 2.0E+14       | ohms·cm           | IEC 60093   |
| Flammability                                               | Nominal Value | Unit              | Test Method |
| Flame Rating                                               | HB            |                   | UL 94       |
| Injection                                                  | Nominal Value | Unit              |             |
| Drying Temperature                                         | 100           | °C                |             |
| Drying Time                                                | 3.0           | hr                |             |
| Processing (Melt) Temp                                     | 170 - 200     | °C                |             |
| Mold Temperature                                           | 60.0 - 100    | °C                |             |
| Injection instructions                                     |               |                   |             |
| Injection Pressure: 30 to 70%Injection Velocity: 20 to 50% |               |                   |             |
| NOTE                                                       |               |                   |             |
| 1.                                                         | 50x70x3 mm    |                   |             |

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