

# Titalon® 4715AF

Polyamide 46

Titan Plastics Compounds Co., Ltd.

## Message:

Titalon®4715AF is a polyamide 46 (nylon 46) material containing a filler of aramid fibers. This product is available in the Asia-Pacific region.

Titalon®The main features of 4715AF are:

flame retardant/rated flame

Wear-resistant

Lubrication

| General Information                                        |                      |                   |             |
|------------------------------------------------------------|----------------------|-------------------|-------------|
| Filler / Reinforcement                                     | Aramid fiber         |                   |             |
| Additive                                                   | PTFE lubricant       |                   |             |
| Features                                                   | Good wear resistance |                   |             |
|                                                            | Lubrication          |                   |             |
| Appearance                                                 | Natural color        |                   |             |
| Physical                                                   | Nominal Value        | Unit              | Test Method |
| Density                                                    | 1.26                 | g/cm <sup>3</sup> | ISO 1183    |
| Molding Shrinkage <sup>1</sup> (3.00 mm)                   | 1.2 - 2.0            | %                 |             |
| Mechanical                                                 | Nominal Value        | Unit              | Test Method |
| Tensile Stress                                             | 65.0                 | MPa               | ISO 527-2   |
| Tensile Strain (Break)                                     | > 8.0                | %                 | ISO 527-2   |
| Flexural Modulus                                           | 2350                 | MPa               | ISO 178     |
| Flexural Stress                                            | 90.0                 | MPa               | ISO 178     |
| Impact                                                     | Nominal Value        | Unit              | Test Method |
| Charpy Notched Impact Strength                             | 5.0                  | kJ/m <sup>2</sup> | ISO 179/1eA |
| Thermal                                                    | Nominal Value        | Unit              | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed)          | 180                  | °C                | ISO 75-2/A  |
| Electrical                                                 | Nominal Value        | Unit              | Test Method |
| Surface Resistivity                                        | 1.0E+12              | ohms              | IEC 60093   |
| Volume Resistivity                                         | 1.0E+12              | 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                                                | 4.0                  | hr                |             |
| Processing (Melt) Temp                                     | 290 - 320            | °C                |             |
| Mold Temperature                                           | 80.0 - 120           | °C                |             |
| Injection instructions                                     |                      |                   |             |
| Injection Pressure: 30 to 70%Injection Velocity: 30 to 60% |                      |                   |             |

## NOTE

1. 50x70x3 mm

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

