

# Titalon® 4015TF

Polyamide 46

Titan Plastics Compounds Co., Ltd.

## Message:

Titalon®4015TF is a polyamide 46 (nylon 46) material. This product is available in the Asia-Pacific region.

Titalon®The main features of 4015TF are:

flame retardant/rated flame

Wear-resistant

Lubrication

| General Information                                        |                      |                   |             |
|------------------------------------------------------------|----------------------|-------------------|-------------|
| Additive                                                   | PTFE lubricant (15%) |                   |             |
| Features                                                   | Good wear resistance |                   |             |
|                                                            | Lubrication          |                   |             |
| Appearance                                                 | Natural color        |                   |             |
| Physical                                                   | Nominal Value        | Unit              | Test Method |
| Density                                                    | 1.25                 | 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                                             | 75.0                 | MPa               | ISO 527-2   |
| Tensile Strain (Break)                                     | > 7.0                | %                 | ISO 527-2   |
| Flexural Modulus                                           | 3100                 | MPa               | ISO 178     |
| Flexural Stress                                            | 110                  | MPa               | ISO 178     |
| Impact                                                     | Nominal Value        | Unit              | Test Method |
| Charpy Notched Impact Strength                             | 7.0                  | 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                                                       |                      |                   |             |

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