

# Tislamid® PA66 PA66 30 MNF

Polyamide 66

Tisan

Message:

Tislamid® PA66 PA66 30 MNF is a Polyamide 66 (Nylon 66) material filled with 30% mineral. It is available in Africa & Middle East or Europe for injection molding. Primary attribute of Tislamid® PA66 PA66 30 MNF : Flame Rated.

| General Information                                |                              |                   |                |
|----------------------------------------------------|------------------------------|-------------------|----------------|
| Filler / Reinforcement                             | Mineral,30% Filler by Weight |                   |                |
| Appearance                                         | Colors Available             |                   |                |
| Forms                                              | Pellets                      |                   |                |
| Processing Method                                  | Injection Molding            |                   |                |
| Physical                                           | Nominal Value                | Unit              | Test Method    |
| Density                                            | 1.36                         | g/cm <sup>3</sup> | ISO 1183       |
| Molding Shrinkage                                  | 1.0                          | %                 |                |
| Water Absorption (Equilibrium, 23°C, 50% RH)       | 1.9                          | %                 | ISO 62         |
| Ash Content                                        | 30                           | %                 | ISO 3451       |
| Hardness                                           | Nominal Value                | Unit              | Test Method    |
| Shore Hardness (Shore D)                           | 82                           |                   | ISO 868        |
| Mechanical                                         | Nominal Value                | Unit              | Test Method    |
| Tensile Stress                                     |                              |                   | ISO 527-2      |
| Yield                                              | 90.0                         | MPa               |                |
| Break                                              | 88.0                         | MPa               |                |
| Tensile Strain                                     |                              |                   | ISO 527-2      |
| Yield                                              | 3.0                          | %                 |                |
| Break                                              | 3.0                          | %                 |                |
| Impact                                             | Nominal Value                | Unit              | Test Method    |
| Notched Izod Impact Strength (23°C)                | 6.0                          | kJ/m <sup>2</sup> | ISO 180/A      |
| Thermal                                            | Nominal Value                | Unit              | Test Method    |
| Heat Deflection Temperature (0.45 MPa, Unannealed) | 210                          | °C                | ISO 75-2/Be    |
| Vicat Softening Temperature                        | 240                          | °C                | ISO 306/B120   |
| Melting Temperature                                | 260 to 265                   | °C                |                |
| Electrical                                         | Nominal Value                | Unit              | Test Method    |
| Comparative Tracking Index (3.00 mm)               | 500                          | V                 | IEC 60112      |
| Flammability                                       | Nominal Value                | Unit              | Test Method    |
| Flame Rating (1.60 mm)                             | HB                           |                   | UL 94          |
| Glow Wire Flammability Index (3.00 mm)             | 650                          | °C                | IEC 60695-2-12 |
| Injection                                          | Nominal Value                | Unit              |                |
| Drying Temperature                                 | 110 to 120                   | °C                |                |

|                        |              |    |
|------------------------|--------------|----|
| Drying Time            | 3.0 to 4.0   | hr |
| Rear Temperature       | 260 to 280   | °C |
| Middle Temperature     | 260 to 280   | °C |
| Front Temperature      | 260 to 280   | °C |
| Nozzle Temperature     | 250 to 270   | °C |
| Processing (Melt) Temp | 260 to 290   | °C |
| Mold Temperature       | 75.0 to 85.0 | °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

