

# TULAMID® PA-SM15

Polyamide 6  
UCC Shchekinoazot

## Message:

Polyamide 6 mineral-filled is an engineering plastic based on thermoplastic polymer - polyamide 6 - and mineral stuff - talc and mica- that changes its properties.  
Application  
Polyamide 6 mineral-filled is applied for production of machine components, high-tech, industrial and consumer products.

| General Information                 |                           |                   |                 |
|-------------------------------------|---------------------------|-------------------|-----------------|
| Filler / Reinforcement              | Mica,15% Filler by Weight |                   |                 |
| Features                            | Non-Toxic                 |                   |                 |
| Uses                                | Consumer Applications     |                   |                 |
|                                     | Industrial Applications   |                   |                 |
|                                     | Machine/Mechanical Parts  |                   |                 |
| Forms                               | Granules                  |                   |                 |
| Physical                            | Nominal Value             | Unit              | Test Method     |
| Density                             | 1.20 to 1.26              | g/cm <sup>3</sup> | Internal Method |
| Molding Shrinkage - Flow            | 0.60 to 0.90              | %                 | Internal Method |
| Particle Size Distribution - 2-5 mm | > 97                      | %                 |                 |
| Hardness                            | > 137                     | MPa               | Internal Method |
| Mechanical                          | Nominal Value             | Unit              | Test Method     |
| Tensile Strength                    |                           |                   | Internal Method |
| Across Flow : Break                 | > 100                     | MPa               |                 |
| --                                  | > 80.0                    | MPa               |                 |
| Tensile Elongation (Break)          | > 6.0                     | %                 | Internal Method |
| Flexural Modulus                    | > 4000                    | MPa               | Internal Method |
| Impact                              | Nominal Value             | Unit              | Test Method     |
| Charpy Unnotched Impact Strength    | > 80                      | kJ/m <sup>2</sup> | Internal Method |
| Thermal                             | Nominal Value             | Unit              | Test Method     |
| Melting Temperature                 | 210 to 230                | °C                | Internal Method |
| Electrical                          | Nominal Value             | Unit              | Test Method     |
| Surface Resistivity                 | > 1.0E+13                 | ohms              | Internal Method |
| Volume Resistivity                  | > 1.0E+13                 | ohms · cm         | Internal Method |
| Dielectric Strength                 | > 20                      | kV/mm             | Internal Method |

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

