

TULAMID® PA-SV30-L1

Polyamide 6
UCC Shchekinoazot

Message:

Polyamide 6 glass-filled is an engineering plastic based on thermoplastic polymer - polyamide 6 - and fiber glass that changes its properties. Polyamide 6 glass-filled moulding is also produced heat treated.

Application
Polyamide 6 glass-filled is used for production of machine components, high-tech, industrial and consumer products.

| General Information | | |
|-------------------------------------|----------------------------------|-------------------|
| Filler / Reinforcement | Glass Fiber,30% Filler by Weight | |
| Features | Non-Toxic | |
| Uses | Consumer Applications | |
| | Industrial Applications | |
| | Machine/Mechanical Parts | |
| Forms | Granules | |
| Processing Method | Injection Molding | |
| Physical | Nominal Value | Unit |
| Density | 1.32 to 1.38 | g/cm ³ |
| Molding Shrinkage - Flow | 0.50 to 0.80 | % |
| Particle Size Distribution - 2-5 mm | > 97 | % |
| Mechanical | Nominal Value | Unit |
| Tensile Strength | | |
| Across Flow : Break | > 210 | MPa |
| -- | > 150 | MPa |
| Tensile Elongation (Break) | 3.0 | % |
| Flexural Modulus | > 7200 | MPa |
| Impact | Nominal Value | Unit |
| Charpy Unnotched Impact Strength | > 55 | kJ/m ² |
| Thermal | Nominal Value | Unit |
| Melting Temperature | 210 to 230 | °C |
| Electrical | Nominal Value | Unit |
| Surface Resistivity | > 1.0E+13 | ohms |
| Volume Resistivity | > 1.0E+13 | ohms · cm |
| Dielectric Strength | > 20 | kV/mm |

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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

