

# ESTOPLAST XU 6320BB01

Polyamide 66

Ester Industries Ltd.

## Message:

Polyamide 66 - Mineral Filled, 20%

Automotive: Wheel Cover, Hub Cap

Electrical & Electronic: MCB, RCCB, Electrical Enclosure

| General Information               |                                      |                   |             |
|-----------------------------------|--------------------------------------|-------------------|-------------|
| Filler / Reinforcement            | Mineral filler, 20% filler by weight |                   |             |
| Additive                          | demoulding                           |                   |             |
| Features                          | Good dimensional stability           |                   |             |
|                                   | Good demoulding performance          |                   |             |
| Uses                              | Electrical/Electronic Applications   |                   |             |
|                                   | Application in Automobile Field      |                   |             |
| Appearance                        | Black                                |                   |             |
| Forms                             | Particle                             |                   |             |
| Processing Method                 | Injection molding                    |                   |             |
| Physical                          | Nominal Value                        | Unit              | Test Method |
| Specific Gravity                  | 1.31                                 | g/cm <sup>3</sup> | ASTM D792   |
| Water Absorption                  |                                      |                   | ISO 62      |
| Saturated, 23°C                   | 5.0                                  | %                 | ISO 62      |
| Equilibrium, 23°C, 50% RH         | 1.5                                  | %                 | ISO 62      |
| Mechanical                        | Nominal Value                        | Unit              | Test Method |
| Tensile Strength (Break)          | 53.0                                 | MPa               | ASTM D638   |
| Tensile Elongation (Break)        | 3.5                                  | %                 | ASTM D638   |
| Flexural Strength                 | 100                                  | MPa               | ASTM D790   |
| Impact                            | Nominal Value                        | Unit              | Test Method |
| Notched Izod Impact (23°C)        | 43                                   | J/m               | ASTM D256A  |
| Unnotched Izod Impact (23°C)      | 510                                  | J/m               | ASTM D256   |
| Thermal                           | Nominal Value                        | Unit              | Test Method |
| Deflection Temperature Under Load |                                      |                   | ASTM D648   |
| 0.45 MPa, not annealed            | 225                                  | °C                | ASTM D648   |
| 1.8 MPa, not annealed             | 80.0                                 | °C                | ASTM D648   |
| Injection                         | Nominal Value                        | Unit              |             |
| Drying Temperature                | 85 - 90                              | °C                |             |
| Drying Time                       | 3.0 - 4.0                            | hr                |             |
| Rear Temperature                  | 275 - 285                            | °C                |             |
| Middle Temperature                | 285 - 295                            | °C                |             |

|                        |           |    |
|------------------------|-----------|----|
| Nozzle Temperature     | 270 - 280 | °C |
| Processing (Melt) Temp | 275 - 285 | °C |
| Mold Temperature       | 55 - 80   | °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

