

# Star L PA6 D36

Polyamide 6  
Eurostar Engineering Plastics

Message:  
Star L PA6 D36 is a MOS2 lubricated Unreinforced, Polyamide 6 Injection Molding Resin

| General Information                                                          |                                |                   |                 |
|------------------------------------------------------------------------------|--------------------------------|-------------------|-----------------|
| Additive                                                                     | Molybdenum Disulfide Lubricant |                   |                 |
| Features                                                                     | Lubricated                     |                   |                 |
| RoHS Compliance                                                              | RoHS Compliant                 |                   |                 |
| Processing Method                                                            | Injection Molding              |                   |                 |
| Physical                                                                     | Nominal Value                  | Unit              | Test Method     |
| Specific Gravity                                                             | 1.16                           | g/cm <sup>3</sup> | ASTM D792       |
| Molding Shrinkage - Flow (4.00 mm)                                           | 1.3 to 1.6                     | %                 | Internal Method |
| Mechanical                                                                   | Nominal Value                  | Unit              | Test Method     |
| Tensile Stress (Yield)                                                       | 80.0                           | MPa               | ISO 527-2       |
| Tensile Strain (Yield)                                                       | 4.0                            | %                 | ISO 527-2/5     |
| Flexural Modulus                                                             | 3200                           | MPa               | ISO 178         |
| Flexural Stress                                                              | 100                            | MPa               | ISO 178         |
| Impact                                                                       | Nominal Value                  | Unit              | Test Method     |
| Notched Izod Impact Strength <sup>1</sup> (23°C)                             | 3.8                            | kJ/m <sup>2</sup> | ISO 180/1A      |
| Unnotched Izod Impact Strength <sup>2</sup> (23°C)                           | 35                             | kJ/m <sup>2</sup> | ISO 180/1U      |
| Thermal                                                                      | Nominal Value                  | Unit              | Test Method     |
| Heat Deflection Temperature <sup>3</sup> (1.8 MPa, Unannealed, 64.0 mm Span) | 60.0                           | °C                | ISO 75-2/Af     |
| Injection                                                                    | Nominal Value                  | Unit              |                 |
| Drying Temperature                                                           | 75.0 to 85.0                   | °C                |                 |
| Drying Time                                                                  | 4.0 to 6.0                     | hr                |                 |
| Suggested Max Moisture                                                       | 0.20                           | %                 |                 |
| Rear Temperature                                                             | 230 to 240                     | °C                |                 |
| Middle Temperature                                                           | 235 to 245                     | °C                |                 |
| Front Temperature                                                            | 240 to 260                     | °C                |                 |
| Processing (Melt) Temp                                                       | 240 to 260                     | °C                |                 |
| Mold Temperature                                                             | 60.0 to 80.0                   | °C                |                 |
| NOTE                                                                         |                                |                   |                 |
| 1.                                                                           | 80*10*4                        |                   |                 |
| 2.                                                                           | 80*10*4                        |                   |                 |
| 3.                                                                           | 80*10*4                        |                   |                 |

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.

## 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



WECHAT