

# DILAMID® 6 FV BLACK 3136

Polyamide 6

Dilaplast S.p.A.

## Message:

DILAMID® 6 FV BLACK 3136 is a Polyamide 6 (Nylon 6) material filled with 30% glass fiber. It is available in Europe for injection molding.

| General Information                               |                                  |                   |                |
|---------------------------------------------------|----------------------------------|-------------------|----------------|
| Filler / Reinforcement                            | Glass Fiber,30% Filler by Weight |                   |                |
| Appearance                                        | Black                            |                   |                |
| Forms                                             | Pellets                          |                   |                |
| Processing Method                                 | Injection Molding                |                   |                |
| Physical                                          | Nominal Value                    | Unit              | Test Method    |
| Density                                           | 1.36                             | g/cm <sup>3</sup> | ISO 1183       |
| Molding Shrinkage - Flow                          | 0.30 to 0.35                     | %                 | ASTM D955      |
| Mechanical                                        | Nominal Value                    | Unit              | Test Method    |
| Tensile Stress (Yield)                            | 160                              | MPa               | ISO 527-2      |
| Tensile Strain (Break)                            | 3.0                              | %                 | ISO 527-2      |
| Flexural Modulus                                  | 8.00                             | MPa               | ISO 178        |
| Impact                                            | Nominal Value                    | Unit              | Test Method    |
| Notched Izod Impact Strength (23°C)               | 8.5                              | kJ/m <sup>2</sup> | ISO 180        |
| Thermal                                           | Nominal Value                    | Unit              | Test Method    |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 205                              | °C                | ISO 75-2/A     |
| Vicat Softening Temperature                       | 210                              | °C                | ISO 306/B50    |
| Electrical                                        | Nominal Value                    | Unit              | Test Method    |
| Dielectric Strength                               | 21                               | kV/mm             | ASTM D149      |
| Comparative Tracking Index                        | 500                              | V                 | IEC 60112      |
| Flammability                                      | Nominal Value                    | Unit              | Test Method    |
| Glow Wire Ignition Temperature (2.00 mm)          | 650                              | °C                | IEC 60695-2-13 |
| Injection                                         | Nominal Value                    | Unit              |                |
| Drying Temperature                                | 70.0 to 90.0                     | °C                |                |
| Drying Time                                       | 2.0 to 8.0                       | hr                |                |
| Suggested Max Moisture                            | 0.20                             | %                 |                |
| Rear Temperature                                  | 240 to 280                       | °C                |                |
| Middle Temperature                                | 250 to 290                       | °C                |                |
| Front Temperature                                 | 260 to 300                       | °C                |                |
| Nozzle Temperature                                | 255 to 295                       | °C                |                |
| Processing (Melt) Temp                            | 260 to 300                       | °C                |                |
| Mold Temperature                                  | 70.0 to 110                      | °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

