

# TECHNYL® B 52G1 MX35 BLACK 51N

Polyamide 66/6 Copolymer  
Solvay Engineering Plastics

Message:

TECHNYL B 52 G1 MX35 is a copolyamide 6.6/6 , with thermal protection, glow wire resistant and reinforced with mineral filler.

| General Information                     |                            |       |                |
|-----------------------------------------|----------------------------|-------|----------------|
| Filler / Reinforcement                  | Mineral                    |       |                |
| Features                                | Good Dimensional Stability |       |                |
|                                         | Low Warpage                |       |                |
| Appearance                              | Black                      |       |                |
| Processing Method                       | Injection Molding          |       |                |
| Physical                                | Nominal Value              | Unit  | Test Method    |
| Density (23°C)                          | 1.49                       | g/cm³ | ISO 1183/A     |
| Mechanical                              | Nominal Value              | Unit  | Test Method    |
| Tensile Modulus (23°C)                  | 10400                      | MPa   | ISO 527-2      |
| Tensile Stress (Yield, 23°C)            | 75.0                       | MPa   | ISO 527-2      |
| Tensile Strain (Break, 23°C)            | 2.0                        | %     | ISO 527-2      |
| Flexural Modulus (23°C)                 | 6000                       | MPa   | ISO 178        |
| Flexural Stress (23°C)                  | 110                        | MPa   | ISO 178        |
| Impact                                  | Nominal Value              | Unit  | Test Method    |
| Charpy Unnotched Impact Strength (23°C) | 16                         | kJ/m² | ISO 179        |
| Notched Izod Impact Strength (23°C)     | 3.0                        | kJ/m² | ISO 180        |
| Thermal                                 | Nominal Value              | Unit  | Test Method    |
| Melting Temperature (DSC)               | 245                        | °C    | ISO 3146       |
| Flammability                            | Nominal Value              | Unit  | Test Method    |
| Glow Wire Flammability Index (3.00 mm)  | 960                        | °C    | IEC 60695-2-12 |
| Injection                               | Nominal Value              | Unit  |                |
| Rear Temperature                        | 260 to 270                 | °C    |                |
| Middle Temperature                      | 260 to 280                 | °C    |                |
| Front Temperature                       | 270 to 280                 | °C    |                |
| Nozzle Temperature                      | 260 to 270                 | °C    |                |
| Mold Temperature                        | 60.0 to 100                | °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

