

## Technical Data Sheet

### Schulamid 66/6 GBF 3515 C BLACK 968001



Polyamide 66/6 Copolymer

#### Product Description

40% glass fibre and glass bead reinforced PA 66/6

**Processing Method** Injection Molding

**Filler/Reinforcement** Glass Bead\Glass Fiber, 40%

| Typical Properties                                                   | Nominal Value | Units             | Test Method   |
|----------------------------------------------------------------------|---------------|-------------------|---------------|
| <b>Physical</b>                                                      |               |                   |               |
| Density, (Method A)                                                  | 1.42          | g/cm <sup>3</sup> | ISO 1183      |
| <b>Mechanical</b>                                                    |               |                   |               |
| Tensile Strain at Break, (Type 1A, 5 mm/min)                         | 3.0           | %                 | ISO 527-2     |
| Tensile Stress at Break, (Type 1A, 5 mm/min)                         | 130           | MPa               | ISO 527-2     |
| Tensile Modulus, (1 mm/min, Type 1A)                                 | 7500          | MPa               | ISO 527-1     |
| <b>Impact</b>                                                        |               |                   |               |
| Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A) | 6.0           | kJ/m <sup>2</sup> | ISO 179       |
| Charpy Impact Strength - Unnotched, (23 °C, Type 1, Edgewise)        | 40            | kJ/m <sup>2</sup> | ISO 179       |
| <b>Thermal</b>                                                       |               |                   |               |
| Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)  | 237           | °C                | ISO 75-2/B    |
| Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)  | 218           | °C                | ISO 75-2/A    |
| <b>Electrical</b>                                                    |               |                   |               |
| Volume Resistivity                                                   | >1.0E+13      | ohm*m             | IEC 62631-3-1 |
| - Conditioned                                                        | 10000000000   | ohm*m             | IEC 62631-3-1 |
| Surface Resistivity                                                  | >1.0E+15      | ohm               | IEC 60093     |
| <b>Flammable</b>                                                     |               |                   |               |
| Burning Rate                                                         |               |                   |               |
| (2.00 mm)                                                            | <100          | mm/min            | FMVSS 302     |
| (2.00 mm)                                                            | <100          | mm/min            | ISO 3795      |
| <b>Injection Parameters</b>                                          |               |                   |               |
|                                                                      | Nominal Value | Units             |               |
| Drying Temperature                                                   | 80            | °C                |               |