

## Technical Data Sheet

**Schulblend M/MK 20GF K1752 GRY64320**

Acrylonitrile Butadiene Styrene + PA

**Product Description**

20% glass fibre reinforced ABS/PA blend

**Processing Method** Injection Molding**Filler/Reinforcement** Glass Fiber, 20%

| <b>Typical Properties</b>  | <b>Nominal Value</b> | <b>Units</b>            | <b>Test Method</b>   |
|--|----------------------|-------------------------|----------------------|
| <b>Physical</b>  |                      |                         |                      |
| Melt Volume Flow Rate, (250 °C/5.0 kg)                               | 2.0                  | cm <sup>3</sup> /10 min | ISO 1133             |
| Density, (Method A)  | 1.20                 | g/cm <sup>3</sup>       | ISO 1183             |
| <b>Mechanical</b>  |                      |                         |                      |
| Tensile Strain at Break, (Type 1A, 5 mm/min)                         | 4.5                  | %                       | ISO 527-2            |
| Tensile Stress at Break, (Type 1A, 5 mm/min)                         | 77.0                 | MPa                     | ISO 527-2            |
| Tensile Modulus, (1 mm/min, Type 1A)                                 | 4900                 | MPa                     | ISO 527-1            |
| <b>Impact</b>  |                      |                         |                      |
| Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A) | 9.0                  | kJ/m <sup>2</sup>       | ISO 179              |
| Charpy Impact Strength - Unnotched, (23 °C, Type 1, Edgewise)        | 36                   | kJ/m <sup>2</sup>       | ISO 179              |
| <b>Hardness</b>  |                      |                         |                      |
| Ball Indentation Hardness, (H 358/30)                                | 97.0                 | MPa                     | ISO 2039-1           |
| <b>Thermal</b>   |                      |                         |                      |
| Vicat Softening Temperature  |                      |                         |                      |
| (B (50N), 50 °C/h)   | 128                  | °C                      | ISO 306              |
| (A (10N), 50 °C/h)   | 213                  | °C                      | ISO 306              |
| Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)  | 179                  | °C                      | ISO 75-2/B           |
| Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)  | 101                  | °C                      | ISO 75-2/A           |
| <b>Flammable</b>   |                      |                         |                      |
| Burning Rate   | <100                 | mm/min                  | ISO 3795             |
| <b>UL Information</b>  |                      |                         |                      |
| Flammability Classification, (1.5 mm)                                | HB                   |                         | IEC 60695-11-10, -20 |