Technical Data Sheet

# *Schulablend* M/MK 8 GF SFUV BLACK

Acrylonitrile Butadiene Styrene + PA

**Product Description**

8% glass fibre reinforced ABS/PA blend; high flow

| | |
|---|---|
| **Processing Method** | Injection Molding |
| **Filler/Reinforcement** | Glass Fiber, 8.0% |
| **Resin ID** | PA ABS GF8 |

| Typical Properties | Nominal Value | Units | Test Method |
|---|---|---|---|
| **Physical** | | | |
| Melt Volume Flow Rate | | | |
| (250 °C/5.0 kg) | 5.0 | cm³/10 min | ISO 1133 |
| (260 °C/5.0 kg) | 9.0 | cm³/10 min | ISO 1133 |
| Density, (Method A) | 1.13 | g/cm³ | ISO 1183 |
| **Mechanical** | | | |
| Tensile Strain at Break | | | |
| (Type 1, 5 mm/min) | 9.0 | % | ISO 527-2 |
| (Type 1, 5 mm/min) - Conditioned | 33 | % | ISO 527-2 |
| Flexural Modulus, (2.0 mm/min) | 2400 | MPa | ISO 178 |
| Tensile Stress at Break | | | |
| (Type 1, 5 mm/min) | 45.0 | MPa | ISO 527-2 |
| (Type 1, 5 mm/min) - Conditioned | 30.0 | MPa | ISO 527-2 |
| Tensile Modulus | | | |
| (1 mm/min, Type 1A) | 2800 | MPa | ISO 527-1 |
| (1 mm/min, Type 1A) - Conditioned | 1700 | MPa | ISO 527-1 |
| Flexural Stress | | | |
| (2.0 mm/min, 3.5%) | 70.0 | MPa | ISO 178 |
| (2.0 mm/min, 6.0%) | 78.0 | MPa | ISO 178 |
| **Impact** | | | |
| Charpy Impact Strength - Notched | | | |
| (23 °C, Type 1, Edgewise, Notch A) | 15 | kJ/m² | ISO 179 |
| (-30 °C, Type 1, Edgewise, Notch A) | 10 | kJ/m² | ISO 179 |
| (23 °C, Type 1, Edgewise, Notch A) - Conditioned | 24 | kJ/m² | ISO 179 |
| Charpy Impact Strength - Unnotched | | | |
| (23 °C, Type 1, Edgewise) | 48 | kJ/m² | ISO 179 |
| (-30 °C, Type 1, Edgewise) | 60 | kJ/m² | ISO 179 |
| (23 °C, Type 1, Edgewise) - Conditioned | 80 | kJ/m² | ISO 179 |
| **Hardness** | | | |
| Ball Indentation Hardness, (H 358/30) | 109 | MPa | ISO 2039-1 |