Technical Data Sheet

# *Schulablend* M/MK 8GF NAT

Acrylonitrile Butadiene Styrene + PA

**Product Description**

8% glass fibre reinforced ABS/PA blend

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|---|---|
| **Processing Method** | Injection Molding |
| **Filler/Reinforcement** | Glass Fiber, 8.0% |

| Typical Properties | Nominal Value | Units | Test Method |
|---|---|---|---|
| **Physical** | | | |
| Melt Volume Flow Rate, (250 °C/5.0 kg) | 4.0 | cm³/10 min | ISO 1133 |
| Density, (Method A) | 1.10 | g/cm³ | ISO 1183 |
| **Mechanical** | | | |
| Tensile Stress at Yield, (Type 1A, 50 mm/min) | 43.0 | MPa | ISO 527-2 |
| Tensile Strain at Yield, (Type 1A, 50 mm/min) | 3.0 | % | ISO 527-2 |
| Tensile Modulus, (1 mm/min, Type 1A) | 3300 | MPa | ISO 527-1 |
| **Impact** | | | |
| Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A) | 13 | kJ/m² | ISO 179 |
| Charpy Impact Strength - Unnotched, (23 °C, Type 1, Edgewise) | 70 | kJ/m² | ISO 179 |
| **Hardness** | | | |
| Ball Indentation Hardness, (H 358/30) | 93.0 | MPa | ISO 2039-1 |
| **Thermal** | | | |
| Vicat Softening Temperature | | | |
| (B (50N), 50 °C/h) | 115 | °C | ISO 306 |
| (A (10N), 50 °C/h) | 190 | °C | ISO 306 |
| Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise) | 152 | °C | ISO 75-2/B |
| Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise) | 76.0 | °C | ISO 75-2/A |
| **Electrical** | | | |
| Volume Resistivity | >1.0E+13 | ohm*cm | IEC 60093 |
| Surface Resistivity | >1.0E+15 | ohm | IEC 60093 |
| **UL Information** | | | |
| Flammability Classification, (1.6 mm) | HB | | IEC 60695-11-10, -20 |