

# SCHULABLEND® (ABS/PA) M/MK 6101 GF8

Acrylonitrile Butadiene Styrene + PA  
Engineering Plastics

## Product Description

8% glass fiber reinforced ABS/PA6 blend standard injection molding grade. (Former name: SCHULABLEND® M/MK GF8)

## General

|                        |                                      |
|------------------------|--------------------------------------|
| Filler / Reinforcement | • Glass Fiber, 8.0% Filler by Weight |
| Processing Method      | • Injection Molding                  |

| Physical                                        | Nominal Value (English)     | Nominal Value (SI)          | Test Method          |
|-------------------------------------------------|-----------------------------|-----------------------------|----------------------|
| Density                                         | 1.10 g/cm <sup>3</sup>      | 1.10 g/cm <sup>3</sup>      | ISO 1183/A           |
| Melt Volume-Flow Rate (MVR) (250°C/5.0 kg)      | 4.00 cm <sup>3</sup> /10min | 4.00 cm <sup>3</sup> /10min | ISO 1133             |
| Mechanical                                      | Nominal Value (English)     | Nominal Value (SI)          | Test Method          |
| Tensile Modulus                                 | 392000 psi                  | 2700 MPa                    | ISO 527-2/1A/1       |
| Tensile Stress (Yield)                          | 7690 psi                    | 53.0 MPa                    | ISO 527-2/1A/50      |
| Tensile Strain (Yield)                          | 4.0 %                       | 4.0 %                       | ISO 527-2/1A/50      |
| Impact                                          | Nominal Value (English)     | Nominal Value (SI)          | Test Method          |
| Charpy Notched Impact Strength (73°F (23°C))    | 6.2 ft·lb/in <sup>2</sup>   | 13 kJ/m <sup>2</sup>        | ISO 179/1eA          |
| Charpy Unnotched Impact Strength<br>73°F (23°C) | 33 ft·lb/in <sup>2</sup>    | 70 kJ/m <sup>2</sup>        | ISO 179/1eU          |
| Hardness                                        | Nominal Value (English)     | Nominal Value (SI)          | Test Method          |
| Ball Indentation Hardness (H 358/30)            | 13500 psi                   | 93.0 MPa                    | ISO 2039-1           |
| Thermal                                         | Nominal Value (English)     | Nominal Value (SI)          | Test Method          |
| Heat Deflection Temperature                     |                             |                             |                      |
| 66 psi (0.45 MPa), Unannealed                   | 306 °F                      | 152 °C                      | ISO 75-2/Bf          |
| 264 psi (1.8 MPa), Unannealed                   | 169 °F                      | 76.0 °C                     | ISO 75-2/Af          |
| Vicat Softening Temperature                     |                             |                             |                      |
| --                                              | 374 °F                      | 190 °C                      | ISO 306/A50          |
| --                                              | 239 °F                      | 115 °C                      | ISO 306/B50          |
| Electrical                                      | Nominal Value (English)     | Nominal Value (SI)          | Test Method          |
| Surface Resistivity                             | > 1.0E+15 ohms              | > 1.0E+15 ohms              | IEC 60093            |
| Volume Resistivity                              | > 1.0E+13 ohms·m            | > 1.0E+13 ohms·m            | IEC 62631-3-1        |
| Flammability                                    | Nominal Value (English)     | Nominal Value (SI)          | Test Method          |
| Burning Rate                                    |                             |                             |                      |
| 0.0787 in (2.00 mm)                             | 1.6 in/min                  | 40 mm/min                   | ISO 3795             |
| 0.0787 in (2.00 mm)                             | 1.6 in/min                  | 40 mm/min                   | FMVSS 302            |
| Flammability Classification                     |                             |                             |                      |
| 0.06 in (1.6 mm)                                | HB                          | HB                          | IEC 60695-11-10, -20 |

## Additional Information

- 1.) Not for use in food contact applications
- 2.) Not for use in medical or pharmaceutical applications



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| Injection              | Nominal Value (English) | Nominal Value (SI) |
|------------------------|-------------------------|--------------------|
| Drying Temperature     | 176 °F                  | 80 °C              |
| Drying Time            | 4.0 hr                  | 4.0 hr             |
| Suggested Max Moisture | 0.04 to 0.10 %          | 0.04 to 0.10 %     |
| Suggested Max Regrind  | 20 %                    | 20 %               |
| Processing (Melt) Temp | 446 to 518 °F           | 230 to 270 °C      |
| Mold Temperature       | 104 to 176 °F           | 40 to 80 °C        |

Notes

These are typical property values not to be construed as specification limits.

