

## Technical Data Sheet

### *Schulablend* M/MK UV HI GRY69250



Acrylonitrile Butadiene Styrene + PA

#### Product Description

ABS/PA6 blend with high impact strength and UV stabilised

#### Regulatory Status

For regulatory compliance information, see *Schulablend* M/MK UV HI GRY69250 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

|                          |                                                                        |
|--------------------------|------------------------------------------------------------------------|
| <b>Status</b>            | Commercial: Active                                                     |
| <b>Availability</b>      | Africa-Middle East; Asia-Pacific; Europe; Latin America; North America |
| <b>Processing Method</b> | Injection Molding                                                      |
| <b>Attribute</b>         | High Impact Resistance                                                 |
| <b>Additive</b>          | UV Stabilizer                                                          |

| Typical Properties                                    | Nominal Value | Units                   | Test Method |
|-------------------------------------------------------|---------------|-------------------------|-------------|
| <b>Physical</b>                                       |               |                         |             |
| Melt Volume Flow Rate                                 | 7.5           | cm <sup>3</sup> /10 min | ISO 1133    |
| Density                                               | 1.1           | g/cm <sup>3</sup>       | ISO 1183    |
| <b>Mechanical</b>                                     |               |                         |             |
| Tensile Stress at Yield, (Type 1A, 50 mm/min)         | 41.0          | MPa                     | ISO 527-2   |
| Nominal Tensile Strain at Break, (50 mm/min, Type 1A) | 100           | %                       | ISO 527-2   |
| Tensile Strain at Yield, (Type 1A, 50 mm/min)         | 4.0           | %                       | ISO 527-2   |
| Tensile Stress at Break, (Type 1A, 50 mm/min)         | 39.0          | MPa                     | ISO 527-2   |
| Tensile Modulus, (1 mm/min, Type 1A)                  | 1800          | MPa                     | ISO 527-1   |
| <b>Impact</b>                                         |               |                         |             |
| Charpy Impact Strength - Notched                      |               |                         |             |
| (23 °C, Type 1, Edgewise, Notch A)                    | 85            | kJ/m <sup>2</sup>       | ISO 179     |
| (-30 °C, Type 1, Edgewise, Notch A)                   | 15            | kJ/m <sup>2</sup>       | ISO 179     |
| Charpy Impact Strength - Unnotched                    |               |                         |             |
| (23 °C, Type 1, Edgewise)                             | No Break      |                         | ISO 179     |
| (-30 °C, Type 1, Edgewise)                            | No Break      |                         | ISO 179     |
| <b>Thermal</b>                                        |               |                         |             |
| Vicat Softening Temperature                           |               |                         |             |
| (B (50N))                                             | 140           | °C                      | ISO 306     |
| (A (10N))                                             | 210           | °C                      | ISO 306     |



| Injection Parameters   | Nominal Value | Units |
|------------------------|---------------|-------|
| Suggested Max Moisture | 0.040 to 0.10 | %     |
| Processing (Melt) Temp | 230 to 270    | °C    |
| Mold Temperature       | 40 to 80      | °C    |

## Notes

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

## Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

## Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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