

**Durethan® B30SF30 000000 DUS064**  
**PA6 FR(62)**

Envalior

Injection Molding, Unreinforced, Flame Retardant, Heat Stabilized

ISO 1043 PA6 FR(62)

| Rheological properties      | dry / cond | Unit | Test Standard   |
|-----------------------------|------------|------|-----------------|
| <b>ISO Data</b>             |            |      |                 |
| Molding shrinkage, parallel | 1.1 / *    | %    | ISO 294-4, 2577 |
| Molding shrinkage, normal   | 1.1 / *    | %    | ISO 294-4, 2577 |

| Mechanical Properties           | dry / cond | Unit  | Test Standard |
|---------------------------------|------------|-------|---------------|
| <b>ISO Data</b>                 |            |       |               |
| Tensile Modulus                 | 3600 / -   | MPa   | ISO 527       |
| Yield stress                    | 70 / -     | MPa   | ISO 527       |
| Yield strain                    | 3.7 / -    | %     | ISO 527       |
| Nominal strain at break         | 9 / -      | %     | ISO 527       |
| Impact Strength (Charpy), +23°C | 150 / -    | kJ/m² | ISO 179/1eU   |
| Impact Strength (Charpy), -30°C | 130 / -    | kJ/m² | ISO 179/1eU   |

| Thermal Properties                        | dry / cond | Unit  | Test Standard  |
|-------------------------------------------|------------|-------|----------------|
| <b>ISO Data</b>                           |            |       |                |
| Melting Temperature (10°C/min)            | 222 / *    | °C    | ISO 11357-1/-3 |
| Temp. of deflection under load (1.80 MPa) | 70 / *     | °C    | ISO 75-1/-2    |
| Burning Behav. at 1.5 mm Nom. Thickn.     | V-0 / *    | class | UL 94          |
| Thickness tested                          | 1.5 / *    | mm    | -              |

| Electrical Properties      | dry / cond | Unit | Test Standard |
|----------------------------|------------|------|---------------|
| <b>ISO Data</b>            |            |      |               |
| Comparative tracking index | 275 / -    | -    | IEC 60112     |

| Other Properties | dry / cond | Unit  | Test Standard |
|------------------|------------|-------|---------------|
| <b>ISO Data</b>  |            |       |               |
| Density          | 1350 / -   | kg/m³ | ISO 1183      |

| Test specimen production            | Value | Unit | Test Standard |
|-------------------------------------|-------|------|---------------|
| <b>ISO Data</b>                     |       |      |               |
| Injection Molding, melt temperature | 260   | °C   | ISO 294       |
| Injection Molding, mold temperature | 80    | °C   | ISO 294       |

| Processing Recommendation Injection Molding | Value     | Unit | Test Standard |
|---------------------------------------------|-----------|------|---------------|
| Pre-drying - Temperature                    | 80        | °C   | -             |
| Pre-drying - Time                           | 2 - 6     | h    | -             |
| Processing humidity                         | ≤0.12     | %    | -             |
| Melt temperature                            | 250 - 270 | °C   | -             |
| Mold temperature                            | 80 - 100  | °C   | -             |

**Characteristics**
**Processing**

Injection Molding

**Special Characteristics**

Flame retardant, Heat aging stabilized

**Delivery form**

Pellets

**Injection Molding**
**PREPROCESSING**

Residual moisture content: 0.03 - 0.12%

Drying temperature dry air dryer: 80 °C

Drying time dry air dryer 2 - 6 h

#### PROCESSING

Melt temperature (Tmin - Tmax): 250 - 270 °C

admissible residence time at Tmax <5 min

Mold temperature: 80 - 100 °C

#### Disclaimer

##### Liability Exclusion

These guide values are measured and provided by the product manufacturer and have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions. M-Base has taken the guide values from the producer's original Technical Data Sheet. **ALBIS AND M-BASE ARE THEREFORE NOT RESPONSIBLE FOR THE ACCURACY OF THE GUIDE VALUES AND CANNOT GIVE ANY WARRANTY WITH REGARD TO THEIR CORRECTNESS.**

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