

## Technical Data Sheet

**Bmc T60-6009**

Thermoset Polyester  
LyondellBasell Industries  
Engineering Plastics

| General         |                                      |
|-----------------|--------------------------------------|
| Material Status | • Commercial: Active                 |
| Availability    | • North America                      |
| Features        | • Wear Resistant                     |
| Uses            | • Electrical/Electronic Applications |
| Appearance      | • Black                              |
| Forms           | • Pellets                            |

| Physical                              | Nominal Value (English) | Nominal Value (SI)     | Test Method |
|---------------------------------------|-------------------------|------------------------|-------------|
| Density / Specific Gravity            | 1.62                    | 1.62 g/cm <sup>3</sup> | ASTM D792   |
| Mechanical                            | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Tensile Strength <sup>1</sup> (Yield) | 5500 psi                | 37.9 MPa               | ASTM D638   |
| Flexural Modulus                      | 650000 psi              | 4480 MPa               | ASTM D790   |
| Flexural Strength (Yield)             | 10500 psi               | 72.4 MPa               | ASTM D790   |
| Compressive Strength                  | 15800 psi               | 109 MPa                | ASTM D695   |
| Impact                                | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Unnotched Izod Impact                 | 4.0 ft·lb/in            | 210 J/m                | ASTM D4812  |
| Hardness                              | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Barcol Hardness                       | 7.5                     | 7.5                    | ASTM D2583  |
| Electrical                            | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Dielectric Strength                   | 360 V/mil               | 14 kV/mm               | ASTM D149   |
| Arc Resistance                        | 190 sec                 | 190 sec                | ASTM D495   |
| Flammability                          | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Flame Rating                          |                         |                        | UL 94       |
| 0.06 in (1.5 mm)                      | V-0                     | V-0                    |             |
| 0.12 in (3.1 mm)                      | V-0                     | V-0                    |             |

| Additional Information                         |
|------------------------------------------------|
| Barcol Hardness, ASTM D2583: 5 to 10           |
| UL Flame Rating, UL 94, 0.058 to 0.062 in: V-0 |
| UL Flame Rating, UL 94, 0.120 to 0.125 in: V-0 |

**Notes**

<sup>1</sup> Type I

**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.

**Product Storage and Handling**

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

**Company Information**

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

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