

## Technical Data Sheet

### Bmc 6605A

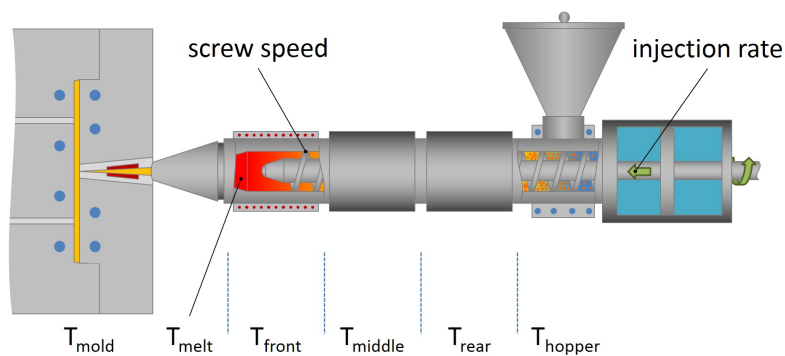
Thermoset Polyester  
LyondellBasell Industries  
Engineering Plastics

| General                                           |                               |                        |             |
|---------------------------------------------------|-------------------------------|------------------------|-------------|
| Forms                                             | • BMC - Bulk Molding Compound |                        |             |
| Processing Method                                 | • Compression Molding         |                        |             |
| Physical                                          | Nominal Value (English)       | Nominal Value (SI)     | Test Method |
| Density / Specific Gravity                        | 1.88                          | 1.88 g/cm <sup>3</sup> | ASTM D792   |
| Water Absorption (24 Hr, 73°F (23°C))             | 0.10 %                        | 0.10 %                 | ASTM D570   |
| Mechanical                                        | Nominal Value (English)       | Nominal Value (SI)     | Test Method |
| Tensile Strength (Yield, Compression Molded)      | 8000 psi                      | 55.2 MPa               | ASTM D638   |
| Flexural Strength (Compression Molded)            | 17500 psi                     | 121 MPa                | ASTM D790   |
| Compressive Strength                              | 22500 psi                     | 155 MPa                | ASTM D695   |
| Impact                                            | Nominal Value (English)       | Nominal Value (SI)     | Test Method |
| Notched Izod Impact (0.250 In (6.35 Mm))          | 4.0 ft·lb/in                  | 210 J/m                | ASTM D256   |
| Hardness                                          | Nominal Value (English)       | Nominal Value (SI)     | Test Method |
| Barcol Hardness                                   | 30                            | 30                     | ASTM D2583  |
| Thermal                                           | Nominal Value (English)       | Nominal Value (SI)     | Test Method |
| Deflection Temperature Under Load                 |                               |                        | ASTM D648   |
| 264 Psi (1.8 Mpa), Unannealed, Compression Molded | 400 °F                        | 204 °C                 |             |
| Electrical                                        | Nominal Value (English)       | Nominal Value (SI)     | Test Method |
| Dielectric Strength (Method A (short-time))       | 420 V/mil                     | 17 kV/mm               | ASTM D149   |
| Arc Resistance                                    | 180 sec                       | 180 sec                | ASTM D495   |
| Flammability                                      | Nominal Value (English)       | Nominal Value (SI)     | Test Method |
| Flame Rating (0.06 In (1.6 Mm))                   | V-0                           | V-0                    | UL 94       |

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| Injection        | Nominal Value (English) | Nominal Value (SI) |
|------------------|-------------------------|--------------------|
| Mold Temperature | 280 to 330 °F           | 138 to 166 °C      |

**Notes**

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