**Technical Data Sheet**

# *Bmc* 1100 CoreLyn

Thermoset Polyester
LyondellBasell Industries
Engineering Plastics

| Product Description |
|---|
| BMC 1100, also known as CoreLyn, is a food contact safe material with excellent scratch and stain resistant properties. CoreLyn can be pigmented to match virtually any color. This glass fiber-reinforced polyester compound is suitable for compression, transfer and stuffer injection molding. As with all other BMC, Inc. compounds, CoreLyn can be supplied in logs, slugs or bulk. Typical applications are microwave dishware and serving trays. |

| General | | | |
|---|---|---|---|
| Filler / Reinforcement | • Glass Fiber | | |
| Features | • Food Contact Acceptable | • Good Scratch Resistance | • Stain Resistant |
| Uses | • Support Trays | | |
| Appearance | • Colors Available | | |
| Forms | • BMC - Bulk Molding Compound | | |
| Processing Method | • Compression Molding | • Injection Molding | |

| Physical | Nominal Value (English) | Nominal Value (SI) | Test Method |
|---|---|---|---|
| Density / Specific Gravity | 1.90 | 1.90 g/cm³ | ASTM D792 |
| Water Absorption (24 Hr, 73°f (23°c)) | 0.30 % | 0.30 % | ASTM D570 |
| **Mechanical** | **Nominal Value (English)** | **Nominal Value (SI)** | **Test Method** |
| Tensile Strength (Yield, Compression Molded) | 5500 psi | 37.9 MPa | ASTM D638 |
| Flexural Modulus (Compression Molded) | 1.90E+6 psi | 13100 MPa | ASTM D790 |
| Flexural Strength (Compression Molded) | 14000 psi | 96.5 MPa | ASTM D790 |
| Compressive Strength | 18000 psi | 124 MPa | ASTM D695 |
| **Impact** | **Nominal Value (English)** | **Nominal Value (SI)** | **Test Method** |
| Notched Izod Impact (Compression Molded) | 3.5 ft·lb/in | 190 J/m | ASTM D256 |
| **Hardness** | **Nominal Value (English)** | **Nominal Value (SI)** | **Test Method** |
| Barcol Hardness | 65 | 65 | 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 | |

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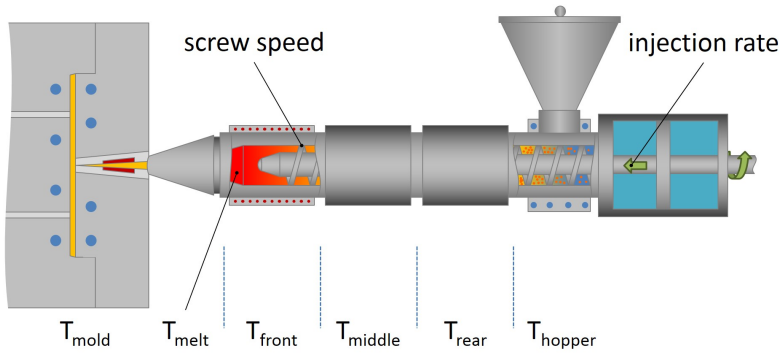


| Injection | Nominal Value (English) | Nominal Value (SI) |
|---|---|---|
| Mold Temperature | 320 to 360 °F | 160 to 182 °C |

**Notes**

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