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**Technical Data Sheet**

# *Bmc* T40(25)-XHS

Thermoset Polyester
LyondellBasell Industries
Engineering Plastics

| General | |
|---|---|
| Features | • High Strength |
| Uses | • Electrical/Electronic Applications |
| Appearance | • Black |
| Forms | • Pellets |

| Physical | Nominal Value (English) | Nominal Value (SI) | Test Method |
|---|---|---|---|
| Density / Specific Gravity | 1.79 | 1.79 g/cm³ | ASTM D792 |
| **Mechanical** | **Nominal Value (English)** | **Nominal Value (SI)** | **Test Method** |
| Tensile Strength [1] (Yield) | 10500 psi | 72.4 MPa | ASTM D638 |
| Flexural Modulus | 2.10E+6 psi | 14500 MPa | ASTM D790 |
| Flexural Strength (Yield) | 36500 psi | 252 MPa | ASTM D790 |
| Compressive Strength | 21000 psi | 145 MPa | ASTM D695 |
| **Impact** | **Nominal Value (English)** | **Nominal Value (SI)** | **Test Method** |
| Unnotched Izod Impact | 15 ft·lb/in | 800 J/m | ASTM D4812 |
| **Hardness** | **Nominal Value (English)** | **Nominal Value (SI)** | **Test Method** |
| Barcol Hardness | 45 | 45 | ASTM D2583 |
| **Electrical** | **Nominal Value (English)** | **Nominal Value (SI)** | **Test Method** |
| Dielectric Strength | 360 V/mil | 14 kV/mm | ASTM D149 |
| Arc Resistance | 183 sec | 183 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) | 5V | 5V | |

**Additional Information**

Barcol Hardness, ASTM D2583: 40 to 50
UL Flame Rating, UL 94, 0.058 to 0.062 in: V-0
UL Flame Rating, UL 94, 0.120 to 0.125 in: 5-V

## Notes

[1] Type I

## Notes

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