# Edgetek™ BB 000/000 H Natural 70

**Polycarbonate + ABS**

## Key Characteristics

| General | | | |
|---|---|---|---|
| Material Status | • Commercial: Active | | |
| Regional Availability | • Europe | | |
| Features | • Good Heat Resistance<br>• Good Processability | • Good Stiffness<br>• Good Strength | • Heat Stabilized<br>• High Impact Resistance |
| Uses | • Automotive Applications<br>• Consumer Applications | • Electrical/Electronic Applications<br>• General Purpose | • Industrial Applications |
| Appearance | • Natural Color | | |
| Forms | • Pellets | | |
| Processing Method | • Injection Molding | | |

## Technical Properties [1]

| Physical | Typical Value (English) | Typical Value (SI) | Test Method |
|---|---|---|---|
| Density | 1.13 g/cm³ | 1.13 g/cm³ | ISO 1183 |
| **Mechanical** | **Typical Value (English)** | **Typical Value (SI)** | **Test Method** |
| Tensile Modulus | 290000 psi | 2000 MPa | ISO 527-2/1 |
| Tensile Stress | 7250 psi | 50.0 MPa | ISO 527-2/50 |
| Tensile Strain (Yield) | 5.0 % | 5.0 % | ISO 527-2/50 |
| Flexural Modulus | 326000 psi | 2250 MPa | ISO 178 |
| Flexural Stress [2] | 11600 psi | 80.0 MPa | ISO 178 |
| **Impact** | **Typical Value (English)** | **Typical Value (SI)** | **Test Method** |
| Notched Izod Impact Strength | 21 ft·lb/in² | 45 kJ/m² | ISO 180/A |
| **Thermal** | **Typical Value (English)** | **Typical Value (SI)** | **Test Method** |
| Heat Deflection Temperature | | | ISO 75-2/A |
| 264 psi (1.8 MPa), Unannealed | 239 °F | 115 °C | |
| Vicat Softening Temperature | 293 °F | 145 °C | ISO 306/A120 |
| **Flammability** | **Typical Value (English)** | **Typical Value (SI)** | **Test Method** |
| Flame Rating (0.06 in (1.6 mm)) | HB | HB | UL 94 |
| Glow Wire Flammability Index | | | IEC 60695-2-12 |
| 0.08 in (2.0 mm) | 1380 °F | 750 °C | |

## Processing Information

| Injection | Typical Value (English) | Typical Value (SI) |
|---|---|---|
| Drying Temperature | 176 to 194 °F | 80 to 90 °C |
| Drying Time | 2.0 to 3.0 hr | 2.0 to 3.0 hr |
| Rear Temperature | 374 to 392 °F | 190 to 200 °C |
| Middle Temperature | 392 to 410 °F | 200 to 210 °C |
| Front Temperature | 410 to 428 °F | 210 to 220 °C |
| Nozzle Temperature | 428 to 446 °F | 220 to 230 °C |
| Mold Temperature | 176 °F | 80 °C |

**Notes**

[1] Typical values are not to be construed as specifications.

[2] 0.079 in/min (2.0 mm/min)

*Beyond Polymers.*

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