

Technical Data Sheet

Matrixx 90N5156

Polycarbonate + ABS
LyondellBasell Industries
Engineering Plastics

General

Forms • Pellets

Physical

| | Nominal Value (English) | Nominal Value (SI) | Test Method |
|--|-------------------------|------------------------|-------------|
| Density / Specific Gravity | 1.17 | 1.17 g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (260°C/5.0 Kg) | 12 g/10 min | 12 g/10 min | ASTM D1238 |

Mechanical

| | Nominal Value (English) | Nominal Value (SI) | Test Method |
|--------------------------|-------------------------|--------------------|-------------|
| Tensile Strength (Yield) | 8500 psi | 58.6 MPa | ASTM D638 |
| Flexural Modulus | 330000 psi | 2280 MPa | ASTM D790 |

Impact

| | Nominal Value (English) | Nominal Value (SI) | Test Method |
|---------------------|-------------------------|--------------------|-------------|
| Notched Izod Impact | 15 ft·lb/in | 800 J/m | ASTM D256 |
| Gardner Impact | > 320 in·lb | > 36.2 J | ASTM D5420 |

Thermal

| | Nominal Value (English) | Nominal Value (SI) | Test Method |
|--|-------------------------|--------------------|-------------|
| Deflection Temperature Under Load 264 Psi (1.8 Mpa), Unannealed | 230 °F | 110 °C | ASTM D648 |
| RTI Elec | 140 °F | 60.0 °C | UL 746B |
| RTI Imp | 140 °F | 60.0 °C | UL 746B |
| RTI Str | 140 °F | 60.0 °C | UL 746B |

Flammability

| | Nominal Value (English) | Nominal Value (SI) | Test Method |
|---------------------------------|-------------------------|--------------------|-------------|
| Flame Rating (0.06 In (1.5 Mm)) | HB | HB | UL 94 |

Additional Information

The value listed as Mold Shrinkage, ASTM D955, was tested in accordance with Matrixx test methods.

Notes

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