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Technical Data Sheet

lyondellbasell

Matrixx 81N7004

Polyethylene Terephthalate LyondellBasell Industries Engineering Plastics

| Product Description | | | | |
|-----------------------------------|---------|-------------------------|------------------------|-------------|
| PET Alloy | | | | |
| General | | | | |
| Forms | Pellets | | | |
| Physical | | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Density / Specific Gravity | | 1.22 | 1.22 g/cm ³ | ASTM D792 |
| Mechanical | | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Tensile Strength (Yield) | | 7500 psi | 51.7 MPa | ASTM D638 |
| Flexural Modulus | | 300000 psi | 2070 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 | | | | ASTM D648 |
| 66 Psi (0.45 Mpa), Unannealed | | 270 °F | 132 °C | |
| 264 Psi (1.8 Mpa), Unannealed | | 245 °F | 118 °C | |
| RTI Elec | | 167 °F | 75.0 °C | UL 746B |
| RTI Imp | | 167 °F | 75.0 °C | UL 746B |
| RTI Str | | 167 °F | 75.0 °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.