

Technical Data Sheet

# Accucomp NY0700L

Polyamide 6  
LyondellBasell Industries  
Engineering Plastics

| General                           |                         |                        |             |
|-----------------------------------|-------------------------|------------------------|-------------|
| Forms                             | • Pellets               |                        |             |
| Physical                          | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Density / Specific Gravity        | 1.13                    | 1.13 g/cm <sup>3</sup> | ASTM D792   |
| Mechanical                        | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Tensile Modulus                   | 261000 psi              | 1800 MPa               | ASTM D638   |
| Tensile Strength                  |                         |                        | ASTM D638   |
| Yield                             | 10200 psi               | 70.0 MPa               |             |
| Break                             | 7540 psi                | 52.0 MPa               |             |
| Tensile Elongation                |                         |                        | ASTM D638   |
| Yield                             | 6.0 %                   | 6.0 %                  |             |
| Break                             | 260 %                   | 260 %                  |             |
| Flexural Modulus                  | 392000 psi              | 2700 MPa               | ASTM D790   |
| Flexural Strength                 | 15500 psi               | 107 MPa                | ASTM D790   |
| Impact                            | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Notched Izod Impact               | 1.0 ft·lb/in            | 55 J/m                 | ASTM D256   |
| Hardness                          | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Rockwell Hardness (R-scale)       | 120                     | 120                    | ASTM D785   |
| Thermal                           | Nominal Value (English) | Nominal Value (SI)     | Test Method |
| Deflection Temperature Under Load |                         |                        | ASTM D648   |
| 66 Psi (0.45 Mpa), Unannealed     | 140 °F                  | 60.0 °C                |             |
| Melting Temperature               | 455 °F                  | 235 °C                 |             |

## Notes

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