

Technical Data Sheet

Accucomp ABS892BL

Acrylonitrile Butadiene Styrene
LyondellBasell Industries
Engineering Plastics

| General | | | |
|------------------------------------------|-------------------------|------------------------|-------------|
| Features | • High Heat Resistance | | |
| Forms | • Pellets | | |
| Physical | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Density / Specific Gravity | 1.05 | 1.05 g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (200°C/5.0 Kg) | 0.80 g/10 min | 0.80 g/10 min | ASTM D1238 |
| Mechanical | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Tensile Modulus | 247000 psi | 1700 MPa | ASTM D638 |
| Tensile Strength | | | ASTM D638 |
| Yield | 7540 psi | 52.0 MPa | |
| Break | 5510 psi | 38.0 MPa | |
| Tensile Elongation | | | ASTM D638 |
| Yield | 4.0 % | 4.0 % | |
| Break | 20 % | 20 % | |
| Flexural Modulus | 377000 psi | 2600 MPa | ASTM D790 |
| Flexural Strength | 10400 psi | 72.0 MPa | ASTM D790 |
| Impact | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Notched Izod Impact | 6.9 ft·lb/in | 370 J/m | ASTM D256 |
| Hardness | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Rockwell Hardness (R-scale) | 104 | 104 | ASTM D785 |
| Thermal | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Deflection Temperature Under Load | | | ASTM D648 |
| 66 Psi (0.45 Mpa), Unannealed | 208 °F | 98.0 °C | |
| 264 Psi (1.8 Mpa), Unannealed | 180 °F | 82.0 °C | |

Notes

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