

Technical Data Sheet

Accucomp ABS856BL

Acrylonitrile Butadiene Styrene
LyondellBasell Industries
Engineering Plastics

| General | | | |
|--|-------------------------|--------------------------|-------------|
| Features | High Flow | Medium Impact 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) | 3.5 g/10 min | 3.5 g/10 min | ASTM D1238 |
| Mechanical | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Tensile Modulus | 261000 psi | 1800 MPa | ASTM D638 |
| Tensile Strength | | | ASTM D638 |
| Yield | 7400 psi | 51.0 MPa | |
| Break | 5080 psi | 35.0 MPa | |
| Tensile Elongation | | | ASTM D638 |
| Yield | 4.0 % | 4.0 % | |
| Break | 25 % | 25 % | |
| Flexural Modulus | 392000 psi | 2700 MPa | ASTM D790 |
| Flexural Strength | 10400 psi | 72.0 MPa | ASTM D790 |
| Impact | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Notched Izod Impact | 4.2 ft·lb/in | 230 J/m | ASTM D256 |
| Hardness | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Rockwell Hardness (R-scale) | 108 | 108 | ASTM D785 |
| Thermal | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Deflection Temperature Under Load | | | ASTM D648 |
| 66 Psi (0.45 Mpa), Unannealed | 194 °F | 90.0 °C | |
| 264 Psi (1.8 Mpa), Unannealed | 171 °F | 77.0 °C | |

Notes

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