

Technical Data Sheet

Ronfalin C110

Polycarbonate + ABS
LyondellBasell Industries
Engineering Plastics

General

| | |
|----------|---------------------------------|
| Features | • General Purpose |
| Uses | • Audio Tapes • General Purpose |

Physical

| | Nominal Value (English) | Nominal Value (SI) | Test Method |
|--|-------------------------|------------------------|-------------|
| Density | 1.12 g/cm ³ | 1.12 g/cm ³ | ISO 1183 |
| Melt Mass-Flow Rate (MFR) (260°C/5.0 Kg) | 15 g/10 min | 15 g/10 min | ISO 1133 |

Mechanical

| | Nominal Value (English) | Nominal Value (SI) | Test Method |
|------------------------|-------------------------|--------------------|-------------|
| Tensile Modulus | 319000 psi | 2200 MPa | ISO 527-1 |
| Tensile Stress (Yield) | 7250 psi | 50.0 MPa | ISO 527-2 |
| Tensile Strain (Break) | > 50 % | > 50 % | ISO 527-2 |
| Flexural Modulus | 312000 psi | 2150 MPa | ISO 178 |
| Flexural Stress | 10400 psi | 72.0 MPa | ISO 178 |

Impact

| | Nominal Value (English) | Nominal Value (SI) | Test Method |
|--|----------------------------|------------------------|-------------|
| Notched Izod Impact (Area) (73°F (23°C)) | 19.0 ft·lb/in ² | 40.0 kJ/m ² | ASTM D256 |

Thermal

| | Nominal Value (English) | Nominal Value (SI) | Test Method |
|-----------------------------------|-------------------------|--------------------|-------------|
| Deflection Temperature Under Load | | | |
| 66 Psi (0.45 Mpa), Unannealed | 235 °F | 113 °C | ISO 75-2/B |
| 264 Psi (1.8 Mpa), Unannealed | 203 °F | 95.0 °C | ISO 75-2/A |
| Vicat Softening Temperature | 230 °F | 110 °C | ISO 306/B50 |

Flammability

| | Nominal Value (English) | Nominal Value (SI) | Test Method |
|--------------|-------------------------|--------------------|-------------|
| Flame Rating | HB | HB | UL 94 |

Notes

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