

Ferro Nylon RNY30LA

PA6-GF30

LyondellBasell Industries

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|--|----------------------|-------------------|--------------------------|
| ASTM Data | | | |
| Mold Shrinkage, MD | 0.003 | mm/mm | ASTM D 955 |
| Mechanical properties | | | |
| ASTM Data | | | |
| Tensile Strength at Yield | 159 | MPa | ASTM D 638 |
| Elongation at Break | 3 | % | ASTM D 638 |
| Flexural Modulus | 7100 | MPa | ASTM D 790 |
| Shore D Hardness | 88 | - | ASTM D 2240 |
| Gardner Impact | 1.13 | J | ASTM D 2794,4226,5420 |
| Izod Impact notched, 1/8 in | 96 | J/m | ASTM D 256 |
| Izod Impact unnotched, 1/8 in | 850 | J/m | ASTM D 256 |
| Thermal properties | | | |
| ASTM Data | | | |
| DTUL @ 66 psi | 216 | °C | ASTM D 648 |
| DTUL @ 264 psi | 207 | °C | ASTM D 648 |
| Other properties | | | |
| Density | 1400 | kg/m ³ | ASTM D 792 |
| Processing Recommendation Injection Molding | | | |
| Processing humidity | ≤0.1 | % | - |
| Mold temperature | 66 - 82 | °C | - |
| Zone 1 | 266 - 277 | °C | - |
| Zone 2 | 266 - 277 | °C | - |
| Zone 3 | 266 - 277 | °C | - |
| Nozzle temperature | 260 - 282 | °C | - |
| Injection pressure | 3.45 - 10.3 | MPa | - |
| Back pressure | 0.345 - 0.689 | MPa | - |

Characteristics**Processing**

Injection Molding

Regional Availability

North America, South and Central America

Delivery form

Pellets