

Polyflam 14N4003NONAT

LyondellBasell Industries - Polypropylene Copolymer

General Information

Product Description

Flame Retardant Copolymer Polypropylene

General

| | |
|-------------------|---------------------|
| Additive | • Flame Retardant |
| Features | • Flame Retardant |
| Forms | • Pellets |
| Processing Method | • Injection Molding |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|--|---------------|----------|-------------|
| Density / Specific Gravity | 0.992 | | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 10 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 3500 | psi | ASTM D638 |
| Flexural Modulus - Tangent | 149000 | psi | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | 2.8 | ft-lb/in | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (66 psi, Unannealed) | 185 | °F | ASTM D648 |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating | | | UL 94 |
| 0.06 in | | V-0 | |
| 0.12 in | | V-0 | |

Processing Information

| Injection | Nominal Value | Unit |
|--------------------------------------|---------------|------|
| Drying Temperature - Desiccant Dryer | 160 to 171 | °F |
| Drying Time | 2.0 to 4.0 | hr |
| Rear Temperature | 360 to 390 | °F |
| Middle Temperature | 370 to 421 | °F |
| Front Temperature | 390 to 421 | °F |
| Nozzle Temperature | 399 to 441 | °F |
| Processing (Melt) Temp | 370 to 441 | °F |
| Mold Temperature | 81 to 120 | °F |
| Injection Rate | Moderate | |
| Back Pressure | 50.0 to 99.9 | psi |