

Polyflam 12N4010NG6178GRY

LyondellBasell Industries - Polypropylene

General Information

Product Description

Polyflam 12N4010NG6178GRY is a Polypropylene, Unspecified material.

General

| | |
|----------|-------------------|
| Additive | • Flame Retardant |
| Features | • Flame Retardant |
| Forms | • Pellets |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|--|---------------|----------|-------------|
| Density / Specific Gravity | 0.930 | | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 8.0 | g/10 min | ASTM D1238 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 5000 | psi | ASTM D638 |
| Flexural Modulus | 210000 | psi | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | 0.51 | ft·lb/in | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (66 psi, Unannealed) | 205 | °F | ASTM D648 |
| RTI Elec | 230 | °F | UL 746B |
| RTI Imp | 230 | °F | UL 746B |
| RTI Str | 230 | °F | UL 746B |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating (0.06 in) | V-2 | | UL 94 |

Processing Information

| Injection | Nominal Value | Unit |
|------------------------|----------------|------|
| Drying Temperature | 180 | °F |
| Drying Time | 4.0 | hr |
| Rear Temperature | 351 to 421 | °F |
| Middle Temperature | 351 to 441 | °F |
| Front Temperature | 351 to 441 | °F |
| Nozzle Temperature | 351 to 441 | °F |
| Processing (Melt) Temp | 360 to 441 | °F |
| Mold Temperature | 90 to 151 | °F |
| Injection Rate | Slow-Moderate | |
| Back Pressure | < 99.9 | psi |
| Cushion | 0.250 to 0.500 | in |