

Technical Data Sheet



Polyflam 12N6002NG2A974 LIGHT GRY

Polypropylene Copolymer

Product Description

Polyflam 12N6002NG2A974 LIGHT GRY is a Polypropylene Copolymer material.

Additive Flame Retardant

| Typical Properties | Nominal Value | Units | Test Method |
|---|---------------|----------|-------------|
| Physical | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 18 | g/10 min | ASTM D1238 |
| Density - Specific Gravity | 0.938 | g/cm³ | ASTM D792 |
| Mechanical | | | |
| Tensile Elongation at Yield, (23 °C, 3.18 mm) | 13 | % | ASTM D638 |
| Tensile Strength at Yield, (23 °C, 3.18 mm) | 22.8 | MPa | ASTM D638 |
| Flexural Modulus, (23 °C, 3.18 mm, Tangent) | 1170 | MPa | ASTM D790 |
| Impact | | | |
| Gardner Impact, (23 °C, 3.18 mm) | 19.2 | J | ASTM D5420 |
| Notched Izod Impact, (23 °C, 3.18 mm) | 130 | J/m | ASTM D256 |
| Thermal | | | |
| RTI Elec, (1.5 mm) | 115 | °C | UL 746B |
| RTI Imp, (1.5 mm) | 115 | °C | UL 746B |
| RTI Str, (1.5 mm) | 115 | °C | UL 746B |
| UL Information | | | |
| Flame Rating | | | |
| (1.5 mm) | V-2 | | UL 94 |
| (3.0 mm) | V-2 | | UL 94 |
| (1.0 mm) | V-2 | | UL 94 |
| UL File Number | E51193 | | |

| Injection Parameters | Nominal Value | Units |
|------------------------|---------------|-------|
| Drying Time | 2.0 to 4.0 | hr |
| Drying Temperature | 82 | °C |
| Screw Speed | 20 to 60 | rpm |
| Processing (Melt) Temp | 182 to 227 | °C |
| Injection Rate | Slow-Moderate | |
| Back Pressure | <0.689 | MPa |
| Mold Temperature | 32 to 66 | °C |