

Polyflam RPP 1021 BLACK 31

LyondellBasell Industries - Polypropylene

General Information

Product Description

PP Unfilled compound Flame Retardant PBDE-Free

General

| | |
|----------|-------------------|
| Additive | • Flame Retardant |
| Features | • Flame Retardant |

Properties¹

| Physical | Nominal Value | Unit | Test Method |
|--|---------------|----------|-------------|
| Density / Specific Gravity | 0.932 | | ASTM D792 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ² (Yield) | 4060 | psi | ASTM D638 |
| Tensile Elongation ² (Break) | 300 | % | ASTM D638 |
| Flexural Modulus ³ | 232000 | psi | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact | 1.7 | ft-lb/in | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (66 psi, Unannealed) | 181 | °F | ASTM D648 |
| Deflection Temperature Under Load 264 psi, Unannealed | 122 | °F | ASTM D648 |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating | V-2 | | UL 94 |

Processing Information

| Injection | Nominal Value | Unit |
|------------------------|---------------|------|
| Processing (Melt) Temp | 356 to 428 | °F |
| Mold Temperature | 122 | °F |

Notes

¹ Typical properties: these are not to be construed as specifications.

² 2.0 in/min

³ 0.051 in/min