

Technical Data Sheet



Polyflam RPP 373U

Polypropylene
LyondellBasell Industries
Engineering Plastics

Product Description

Polyflam RPP 373 is a high performance polypropylene product with UL 94 V-0 flammability.

General

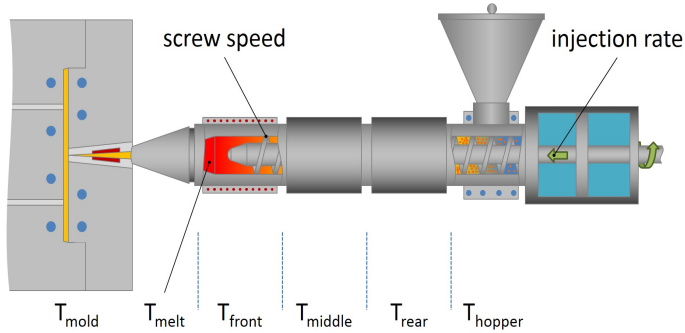
Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Mineral
Features	• Flame Retardant • UV Stabilized
UL File NumberUSA	• E51193

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.35	1.35 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	16 g/10 min	16 g/10 min	ASTM D1238
Outdoor Suitability (All Colors)	f1	f1	UL 746C
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ¹ (Yield)	1890 psi	13.0 MPa	ASTM D638
Tensile Elongation ¹ (Break)	41 %	41 %	ASTM D638
Flexural Modulus ²	191000 psi	1320 MPa	ASTM D790
Flexural Strength (Yield)	3190 psi	22.0 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	4.2 ft·lb/in	220 J/m	ASTM D256
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load 66 psi (0.45 MPa), Unannealed	185 °F	85.0 °C	ASTM D648
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating			UL 94
0.06 in (1.5 mm), ALL	V-0	V-0	
0.12 in (3.0 mm), ALL	5VA	5VA	

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**Injection Notes**

Mould surface contacting melt should
be of non-corrosive steel (content of chrome > 12%)

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Notes

¹ 2.0 in/min (50 mm/min)

² 0.051 in/min (1.3 mm/min)

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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