

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
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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
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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
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Notched Izod Impact	4.2 ft·lb/in	220 J/m	ASTM D256
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Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
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Deflection Temperature Under Load 66 Psi (0.45 Mpa), Unannealed	185 °F	85.0 °C	ASTM D648
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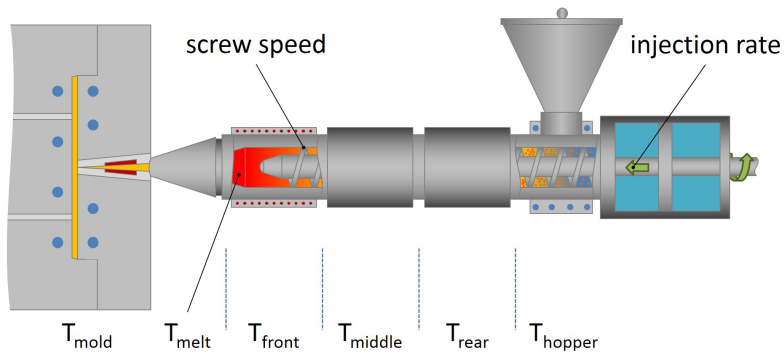
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
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Flame Rating			UL 94
0.06 In (1.5 Mm), All	V-0	V-0	
0.12 In (3.0 Mm), All	5VA	5VA	

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Injection Notes

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

Notes

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