

Technical Data Sheet

Polyfort FPP 1068 U-31 BLACK



Polypropylene, Unspecified (PP, Unspecified)

Product Description

PP compound with 40% talc filler. Long term heat stabilized.

Regulatory Status

For regulatory compliance information, see Polyfort FPP 1068 U-31 BLACK [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Asia-Pacific; North America
Processing Method	Injection Molding
Filler/Reinforcement	Talc, 40%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (230 °C/2.16 kg)	11	cm ³ /10 min	ISO 1133
Density	1.25	g/cm ³	ISO 1183
Mechanical			
Tensile Strain at Break	3.8	%	ISO 527-2
Flexural Modulus	5000	MPa	ISO 178
Tensile Stress at Break	25	MPa	ISO 527-2
Tensile Modulus	4500	MPa	ISO 527-1
Flexural Stress, (7.0%)	20.0	MPa	ISO 178
Impact			
Charpy Impact Strength - Notched			
(23 °C)	2.3	kJ/m ²	ISO 179
(-30 °C)	1.7	kJ/m ²	ISO 179
Charpy Impact Strength - Unnotched			
(-30 °C)	10	kJ/m ²	ISO 179
(23 °C)	15	kJ/m ²	ISO 179
Thermal			
Deflection Temperature Under Load Unannealed (0.45 MPa)	130	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	74	°C	ISO 75-2/A
Electrical			
Volume Resistivity	>1.0E+13	ohm*m	IEC 62631-3-1
Surface Resistivity	>1.0E+15	ohm	IEC 62631-3-2
Flammable			
Burning Rate, (2.00 mm)	50	mm/min	ISO 3795
Additional Information			
Filler Content	40	%	ASTM D5630
UL Information			

Flammability Classification

(0.8 mm)

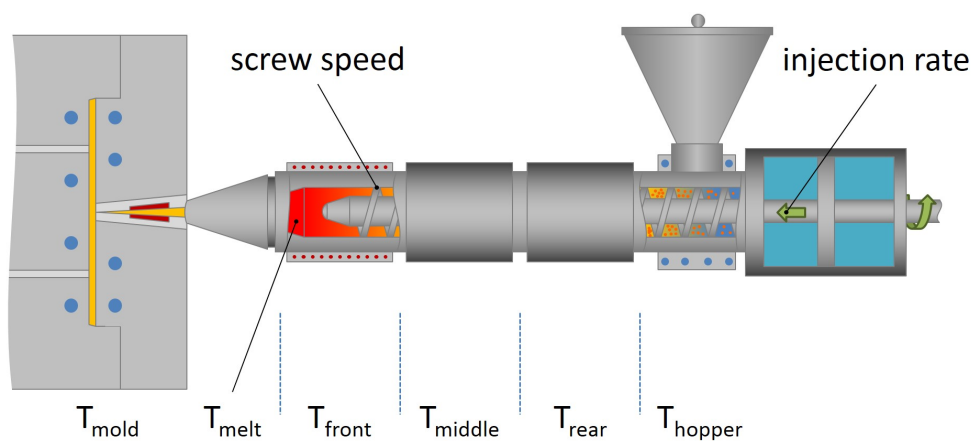
HB

IEC 60695-11-10, -
20

(1.6 mm)

HB

IEC 60695-11-10, -
20



Injection Parameters	Nominal	
	Value	Units
Drying Time	2.0 to 3.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	220 to 260	°C
Injection Rate	Moderate-Fast	
Mold Temperature	30 to 60	°C

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.

Company Information

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

© LyondellBasell Industries Holdings, B.V. 2018

Disclaimer

Information in this document is accurate to the best of our knowledge at the date of publication. The document is designed to provide users general information for safe handling, use, processing, storage, transportation, disposal and release and does not constitute any warranty or quality specification, either express or implied, including any warranty of merchantability or fitness for any particular purpose. Users shall determine whether the product is suitable for their use and can be used safely and legally.

In addition to any prohibitions of use specifically noted in this document, LyondellBasell may further prohibit or restrict the sale of its products into certain applications. For further information, please contact a LyondellBasell representative.

Trademarks

The Trademark referenced within the product name is owned or used by the LyondellBasell family of companies.