Technical Data Sheet

Polyfort FPP 40 T LE K1858 BLK

Polypropylene, Homopolymer

Product Description

40% talc filled PP homopolymer, low emission

Regulatory Status

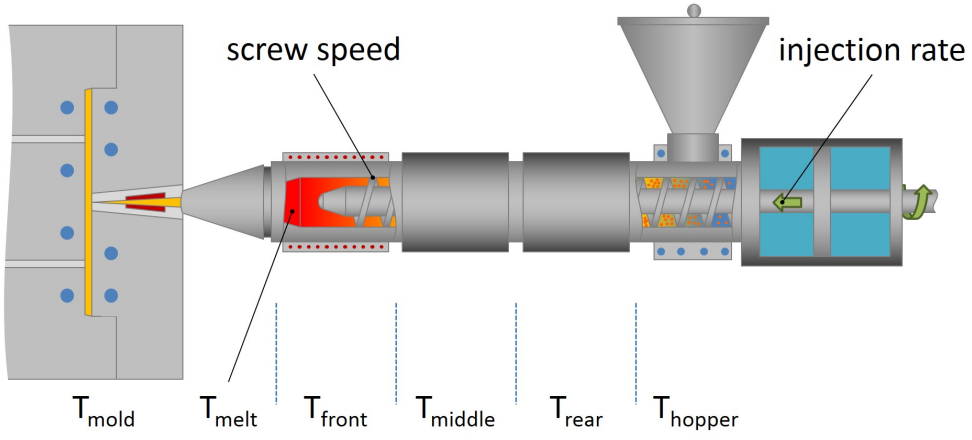
For regulatory compliance information, see *Polyfort* FPP 40 T LE K1858 BLK Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Latin America; North America
Processing Method	Injection Molding
Attribute	Homopolymer; Low Emissions
Filler/Reinforcement	Talc, 40%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (230 °C/2.16 kg)	6.0	cm³/10 min	ISO 1133
Density, (Method A)	1.26	g/cm³	ISO 1183
Mechanical			
Tensile Modulus, (1 mm/min, Type 1A)	3600	MPa	ISO 527-1
Tensile Strain at Yield, (Type 1A, 50 mm/min)	3.0	%	ISO 527-2
Tensile Stress at Yield, (Type 1A, 50 mm/min)	30.0	MPa	ISO 527-2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	3.0	kJ/m²	ISO 179
(-30 °C, Type 1, Edgewise, Notch A)	2.5	kJ/m²	ISO 179
Charpy Impact Strength - Unnotched			
(23 °C, Type 1, Edgewise)	21	kJ/m²	ISO 179
(-30 °C, Type 1, Edgewise)	14	kJ/m²	ISO 179
Notched Izod Impact (Area), (23 °C)	4.00	kJ/m²	ASTM D256
Hardness			
Ball Indentation Hardness, (H 358/30)	73.0	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature			
(B (50N), 50 °C/h)	97.0	°C	ISO 306
(A (10N), 120 °C/h)	156	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	133	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	80.0	°C	ISO 75-2/A
Electrical			
Surface Resistivity	>1.0E+15	ohm	IEC 60093
Volume Resistivity	>1.0E+13	ohm*m	IEC 62631-3-1

Manufacturer website: https://www.lyondellbasell.com/en/

Flammable			
Burning Rate			
(2.00 mm)	48	mm/min	FMVSS 302
(2.00 mm)	48	mm/min	ISO 3795
Glow Wire Flammability Index	750	°C	IEC 60695-2-12
Additional Information			
Water Absorption 23C/50RH	0.2	%	ISO 62
UL Information			
Flammability Classification			
(1.5 mm)	HB		IEC 60695-11-10, -20
(3.0 mm)	HB		IEC 60695-11-10, -20



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

Manufacturer website: https://www.lyondellbasell.com/en/

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/.

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