Technical Data Sheet

Polyfort FPP 40 T LE K1846 BLACK

Polypropylene, Homopolymer

Product Description

POLYFORT FPP 40 T LE K1846 BLACK is a 40% talc filled PP-Homopolymer; chemical coupled,low emissionand heat stabilized compound

Regulatory Status

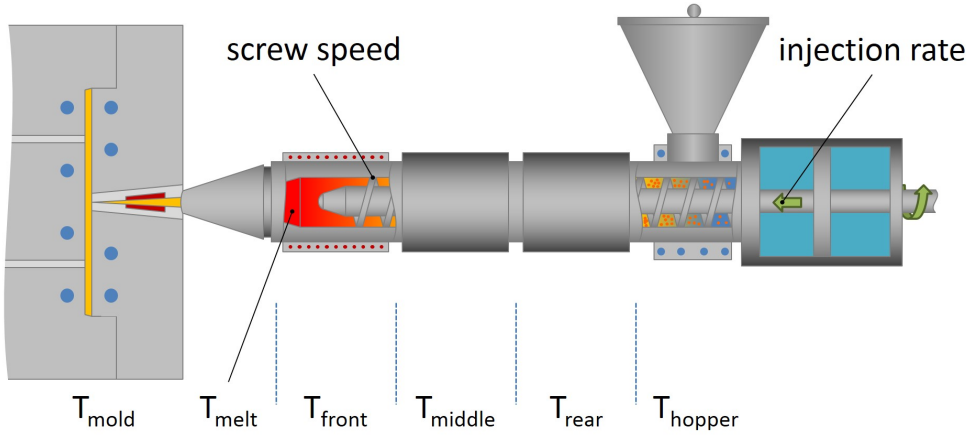
For regulatory compliance information, see *Polyfort* FPP 40 T LE K1846 BLACK Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Discontinued
Availability	Africa-Middle East; Asia-Pacific; Latin America; North America
Processing Method	Injection Molding
Attribute	Chemically Coupled; Heat Stabilized; 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 Strength, (23 °C)	4.0	kJ/m²	ASTM D256
Hardness			
Ball Indentation Hardness, (H 358/30)	73.0	MPa	ISO 2039-1
Thermal			
Vicat Softening Temperature			
(A (10N), 50 °C/h)	156	°C	ISO 306
(B (50N), 50 °C/h)	97.0	°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	ISO 3795
(2.00 mm)	48	mm/min	FMVSS 302
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
(1.5 mm)	HB		IEC 60695-11-10, -20
(3.0 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

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.

Material handling, shelf life & storage

For good processing, we recommend our Product should be stored for no more than 12 months in dry conditions at temperatures below 50°C and protected from UV-light. Improper storage may bring damage to the packaging and product and can negatively affects on the quality of this product and reduce shef life considerably.

Recycling note

This product is based in a thermoplastic resin that is suitable for mechanical recycling, partially or completely. Please, consider the whole construction of the final product using our grade and determine the suitable disposition for recollection, separation and recycling process. The packaging of Lyondellbasell´s products (plastic bags, cardboard boxes and stretch film) are also suitable for mechanical recycling. Any further information needed, contact the ADTS team from Lyondellbasell.

Company Information

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

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