Technical Data Sheet

POLYFORT FPP 40T LE K2274 BLK

Polypropylene, Homopolymer

Product Description

40% talc-filled PP-Homopolymer compound, low emission and low odour. Former name: Polyfort FPP 40T LE K2274

Regulatory Status

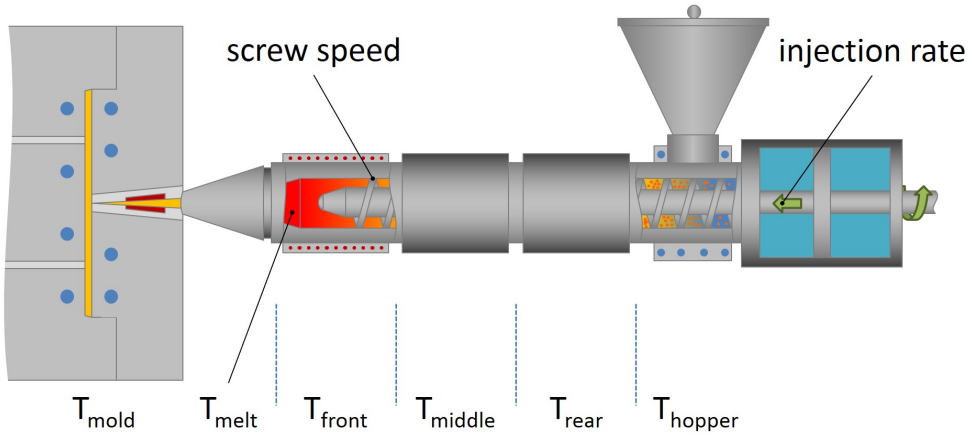
For regulatory compliance information, see POLYFORT FPP 40T LE K2274 BLK Product Stewardship Bulletin (PSB) and Safety Data Sheet (SDS).

Status	Commercial: Active
Availability	Europe
Processing Method	Injection Molding
Attribute	Homopolymer
Filler/Reinforcement	Talc, 40%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Volume Flow Rate, (230 °C/2.16 kg)	8.0	cm³/10 min	ISO 1133
Density, (Method A)	1.25	g/cm³	ISO 1183
Mechanical			
Tensile Modulus, (1 mm/min, Type 1A)	4000	MPa	ISO 527-1
Tensile Strain at Break, (Type 1A, 5 mm/min)	3.5	%	ISO 527-2
Tensile Stress at Break, (Type 1A, 5 mm/min)	30.0	MPa	ISO 527-2
Impact			
Charpy Impact Strength - Notched			
(23 °C, Type 1, Edgewise, Notch A)	2.5	kJ/m²	ISO 179
(-30 °C, Type 1, Edgewise, Notch A)	1.8	kJ/m²	ISO 179
Charpy Impact Strength - Unnotched			
(23 °C, Type 1, Edgewise)	20	kJ/m²	ISO 179
(-30 °C, Type 1, Edgewise)	11	kJ/m²	ISO 179
Thermal			
Vicat Softening Temperature			
(A (10N), 50 °C/h)	155	°C	ISO 306
(B (50N), 50 °C/h)	90.0	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise)	130	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise)	90.0	°C	ISO 75-2/A
Flammable			
Burning Rate			
(2.00 mm)	48	mm/min	FMVSS 302
(2.00 mm)	48	mm/min	ISO 3795
UL Information			

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

Flame Rating		
(1.5 mm)	HB	UL 94
(3.0 mm)	HB	UL 94
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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