

Technical Data Sheet

Polyfort FPP 3790-049 GRY



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 3790-049 GRY [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)

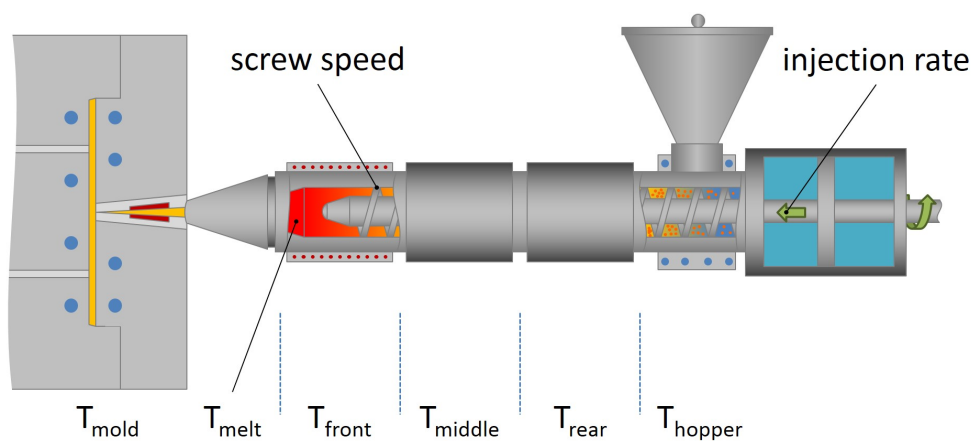
HB

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/>.

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