Technical Data Sheet

Ferro Pp MPP25FU23HB

Polypropylene
LyondellBasell Industries
Engineering Plastics

General	
Filler / Reinforcement	• Mica, 25% Filler by Weight
Additive	• Impact Modifier
Features	• Impact Modified
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.09	1.09 g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°c/2.16 Kg)	5.2 g/10 min	5.2 g/10 min	ASTM D1238
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Strength (Yield, 73°f (23°c))	3200 psi	22.1 MPa	ASTM D638
Tensile Elongation (Break, 73°f (23°c))	5.0 %	5.0 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°f (23°c)	278000 psi	1920 MPa	
Tangent : 73°f (23°c)	326000 psi	2250 MPa	
Flexural Strength (Yield, 73°f (23°c))	5100 psi	35.2 MPa	ASTM D790
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact (73°f (23°c))	1.1 ft·lb/in	59 J/m	ASTM D256
Unnotched Izod Impact (73°f (23°c))	13 ft·lb/in	670 J/m	ASTM D4812
Gardner Impact	100 in·lb	11.3 J	ASTM D5420
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	228 °F	109 °C	
264 Psi (1.8 Mpa), Unannealed	133 °F	56.1 °C	

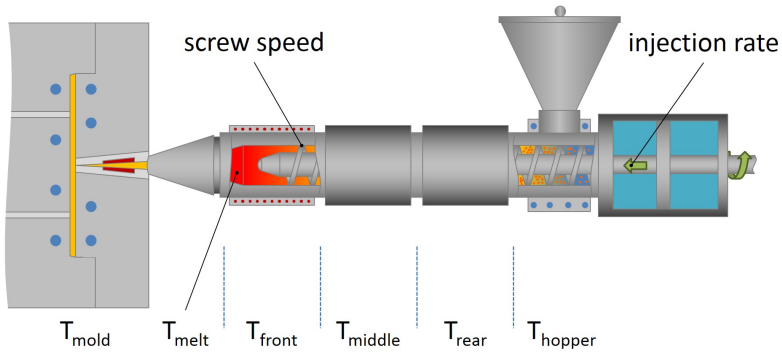
Additional Information

Filler Content, ASTM D2584: 25%

Technical Data Sheet

Ferro Pp MPP25FU23HB

Polypropylene
LyondellBasell Industries
Engineering Plastics



Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	2.0 to 3.0 hr	2.0 to 3.0 hr
Processing (Melt) Temp	428 to 500 °F	220 to 260 °C
Mold Temperature	86 to 140 °F	30 to 60 °C

Notes

These are typical property values not to be construed as specification limits.