HK:+852-69575415 China GuangDong:+13538586433 ShangHai:+18816996168

Technical Data Sheet

Ferro Pp LPP10BK01BK

Polypropylene
LyondellBasell Industries
Engineering Plastics

General	
Filler / Reinforcement	• Calcium Carbonate, 10% Filler by Weight
Automotive Specifications	• CHRYSLER MS-DB-67 CPN3194 Color: Natural
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.00	0.998 g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°c/2.16 Kg)	7.0 g/10 min	7.0 g/10 min	ASTM D1238
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Strength (Yield)	3800 psi	26.2 MPa	ASTM D638
Tensile Elongation (Break)	100 %	100 %	ASTM D638
Flexural Modulus	175000 psi	1210 MPa	ASTM D790
Flexural Strength (Yield)	4800 psi	33.1 MPa	ASTM D790
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact (73°f (23°c))	1.2 ft·lb/in	66 J/m	ASTM D256
Unnotched Izod Impact (73°f (23°c))	17 ft·lb/in	910 J/m	ASTM D4812
Gardner Impact	200 in·lb	22.6 J	ASTM D3029
Hardness	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Durometer Hardness (Shore D)	68	68	ASTM D2240
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	195 °F	90.6 °C	
264 Psi (1.8 Mpa), Unannealed	130 °F	54.4 °C	

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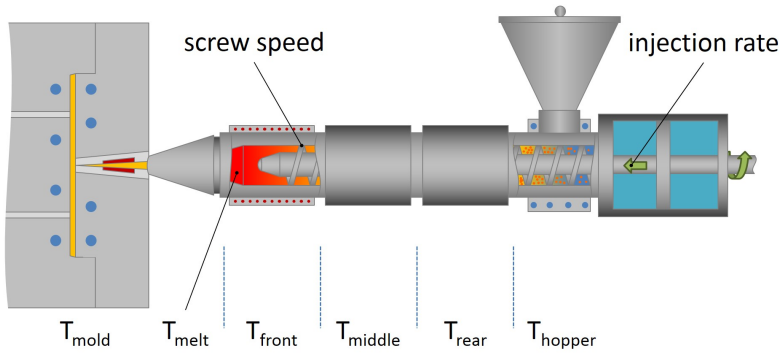

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	2.0 to 3.0 hr	2.0 to 3.0 hr
Rear Temperature	395 to 400 °F	202 to 204 °C
Middle Temperature	400 to 410 °F	204 to 210 °C
Front Temperature	410 to 415 °F	210 to 213 °C
Nozzle Temperature	415 to 425 °F	213 to 218 °C
Processing (Melt) Temp	428 to 500 °F	220 to 260 °C
Mold Temperature	86 to 140 °F	30 to 60 °C
Back Pressure	50.0 to 100 psi	0.345 to 0.689 MPa

Notes

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