Technical Data Sheet

Ferro Pp NPP00GC01BK

Polypropylene
LyondellBasell Industries
Engineering Plastics

General	
Automotive Specifications	• FORD WSS-M4D293-B3
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.920	0.918 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)	5000 psi	34.5 MPa	ASTM D638
Tensile Elongation (Break)	40 %	40 %	ASTM D638
Flexural Modulus	200000 psi	1380 MPa	ASTM D790
Flexural Strength (Yield)	6300 psi	43.4 MPa	ASTM D790
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact (73°f (23°c))	0.80 ft·lb/in	43 J/m	ASTM D256
Unnotched Izod Impact (73°f (23°c))	18 ft·lb/in	960 J/m	ASTM D4812
Gardner Impact	25.0 in·lb	2.82 J	ASTM D3029
Hardness	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Rockwell Hardness (R-scale)	100	100	ASTM D785
Durometer Hardness (Shore D)	66	66	ASTM D2240
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	220 °F	104 °C	
264 Psi (1.8 Mpa), Unannealed	140 °F	60.0 °C	

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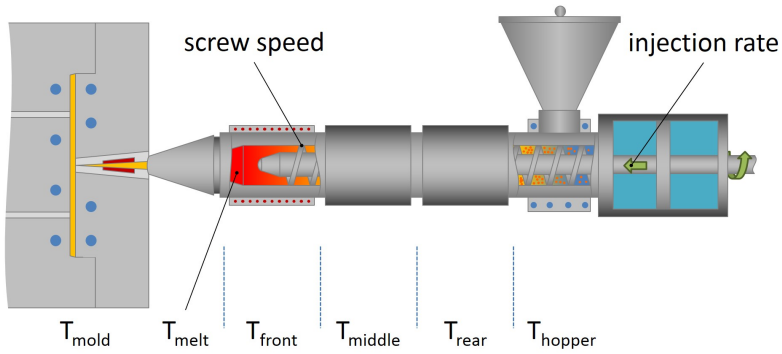

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	2.0 to 3.0 hr	2.0 to 3.0 hr
Processing (Melt) Temp	428 to 500 °F	220 to 260 °C
Mold Temperature	86 to 140 °F	30 to 60 °C

Notes

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