Technical Data Sheet

Ferro Pp TPP20AN85NA

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

General		
Filler / Reinforcement	• Talc, 21% Filler by Weight	
Additive	• Heat Stabilizer	
Features	• Heat Stabilized	• Homopolymer
Automotive Specifications	• ASTM D5857 PP222 T20	• CHRYSLER MS-DB-500 Type PP CPN4158 Color: Natural
Forms	• Pellets	
Processing Method	• Injection Molding	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.04	1.04 g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°c/2.16 Kg)	5.5 g/10 min	5.5 g/10 min	ASTM D1238
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Strength (73°f (23°c))	4100 psi	28.3 MPa	ASTM D638
Tensile Elongation (Break, 73°f (23°c))	25 %	25 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°f (23°c)	271000 psi	1870 MPa	
Tangent : 73°f (23°c)	300000 psi	2070 MPa	
Flexural Strength (73°f (23°c))	6100 psi	42.1 MPa	ASTM D790
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact (73°f (23°c))	1.3 ft·lb/in	69 J/m	ASTM D256
Unnotched Izod Impact (73°f (23°c))	13 ft·lb/in	670 J/m	ASTM D4812
Gardner Impact (73°f (23°c))	110 in·lb	12.4 J	ASTM D5420
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	252 °F	122 °C	
264 Psi (1.8 Mpa), Unannealed	150 °F	65.6 °C	

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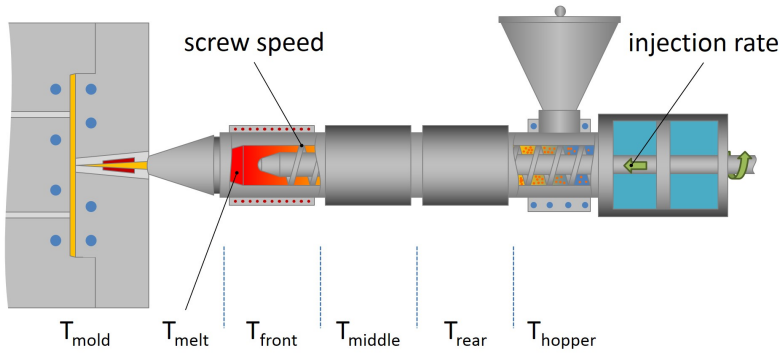

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	2.0 to 3.0 hr	2.0 to 3.0 hr
Processing (Melt) Temp	428 to 500 °F	220 to 260 °C
Mold Temperature	86 to 140 °F	30 to 60 °C

Notes

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