Technical Data Sheet

Ferro Pp NPP00RS02WH

Polypropylene Homopolymer
LyondellBasell Industries
Engineering Plastics

General		
Additive	• Heat Stabilizer	
Features	• Heat Stabilized	• Homopolymer
Forms	• Pellets	
Processing Method	• Injection Molding	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.990	0.988 g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°c/2.16 Kg)	13 g/10 min	13 g/10 min	ASTM D1238
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Strength (Yield, 73°f (23°c))	5300 psi	36.5 MPa	ASTM D638
Tensile Elongation (Break, 73°f (23°c))	10 %	10 %	ASTM D638
Flexural Modulus - Tangent (73°f (23°c))	256000 psi	1770 MPa	ASTM D790
Flexural Strength (Yield, 73°f (23°c))	7500 psi	51.7 MPa	ASTM D790
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Notched Izod Impact (73°f (23°c))	0.70 ft·lb/in	37 J/m	ASTM D256
Unnotched Izod Impact (73°f (23°c))	10 ft·lb/in	530 J/m	ASTM D4812
Gardner Impact	7.00 in·lb	0.791 J	ASTM D5420
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			ASTM D648
66 Psi (0.45 Mpa), Unannealed	235 °F	113 °C	
264 Psi (1.8 Mpa), Unannealed	135 °F	57.2 °C	
CLTE - Flow	3.6E-5 in/in/°F	6.5E-5 cm/cm/°C	ASTM D696

Additional Information

Specular Reflectance, CIELAB, 450-700 nm: 95-98%
Light Transmission Density, ISO 5/2, 0.0625 in, D value: 2.4
Shear Modulus, ASTM D4065: 124000 psi

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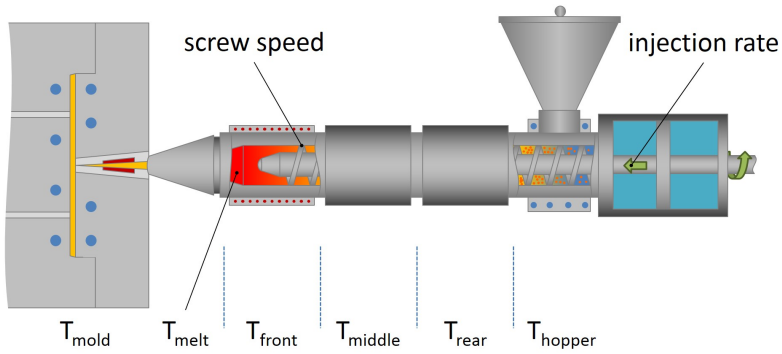

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	2.0 to 3.0 hr	2.0 to 3.0 hr
Processing (Melt) Temp	428 to 500 °F	220 to 260 °C
Mold Temperature	86 to 140 °F	30 to 60 °C

Notes

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