

Technical Data Sheet
Ferro PP NPP00GW31WH
Polypropylene
Engineering Plastics



General			
Additive	• Impact Modifier		
Features	• Impact Modified		
Forms	• Pellets		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.900	0.898 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.5 g/10 min	6.5 g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	0.018 in/in	1.8 %	
Across Flow	0.022 in/in	2.2 %	

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength (Yield, 73°F (23°C))	4500 psi	31.0 MPa	ASTM D638
Tensile Elongation (Break, 73°F (23°C))	50 %	50 %	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F (23°C)	195000 psi	1340 MPa	
Tangent : 73°F (23°C)	206000 psi	1420 MPa	
Flexural Strength (Yield, 73°F (23°C))	6000 psi	41.4 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact (73°F (23°C))	1.5 ft·lb/in	80 J/m	ASTM D256
Unnotched Izod Impact (73°F (23°C))	No Break	No Break	ASTM D256
Gardner Impact	280 in·lb	31.6 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	140 °F	60.0 °C	
RTI Elec (0.06 in (1.6 mm))	149 °F	65.0 °C	UL 746
RTI Imp (0.06 in (1.6 mm))	149 °F	65.0 °C	UL 746
RTI Str (0.06 in (1.6 mm))	149 °F	65.0 °C	UL 746

Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flame Rating (0.0025 in (0.063 mm))	HB	HB	UL 94

Notes

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