

Ferro PP NPP00GT18UL NATURAL

Polypropylene
Ferro Corporation

Message:

Ferro PP NPP00GT18UL NATURAL is a Polypropylene material. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of Ferro PP NPP00GT18UL NATURAL are:

Flame Rated
Flame Retardant

General Information			
Features	Flame Retardant		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.7	%	
Across Flow	1.9	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	34.5	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	40	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 23°C	1590	MPa	
Tangent : 23°C	1740	MPa	
Flexural Strength (23°C)	44.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	32	J/m	ASTM D256
Unnotched Izod Impact (23°C)	590	J/m	ASTM D4812
Gardner Impact (23°C)	1.13	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	107	°C	
1.8 MPa, Unannealed	57.2	°C	
RTI Elec			UL 746
0.794 mm	65.0	°C	
1.59 mm	105	°C	
3.18 mm	110	°C	
RTI Imp			UL 746

0.794 mm	65.0	°C	
1.59 mm	105	°C	
3.18 mm	110	°C	
RTI Str			UL 746
0.794 mm	65.0	°C	
1.59 mm	105	°C	
3.18 mm	110	°C	
Flammability	Nominal Value	Test Method	
Flame Rating (0.794 mm)	V-0	UL 94	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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