

Ferro PP NPP00GT01NA

Polypropylene
Ferro Corporation

Message:

Ferro PP NPP00GT01NA is a polypropylene material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific.

The main features of Ferro PP NPP00GT01NA are:

flame retardant/rated flame

Flame Retardant

General Information			
Additive	Flame retardancy		
Features	Flame retardant		
	Flame retardancy		
Appearance	Natural color		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.948	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.8	%	ASTM D955
Transverse flow	1.9	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	30.3	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	35	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant: 23°C	1190	MPa	ASTM D790
Tangent: 23°C	1290	MPa	ASTM D790
Flexural Strength (23°C)	37.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	J/m	ASTM D256
Unnotched Izod Impact (23°C)	800	J/m	ASTM D256
Dart Drop Impact (23°C)	19.8	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	93.3	°C	ASTM D648
1.8 MPa, not annealed	51.7	°C	ASTM D648
RTI Elec (3.18 mm)	65.0	°C	UL 746
RTI Imp (3.18 mm)	65.0	°C	UL 746
RTI (3.18 mm)	65.0	°C	UL 746

Electrical	Nominal Value	Unit	Test Method
Arc Resistance	124	sec	ASTM D495
Comparative Tracking Index (CTI)	600	V	UL 746
High Voltage Arc Tracking Rate (HVTR)	0.00	mm/min	UL 746
Hot-wire Ignition (HWI)	50	sec	UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.18 mm, NA)	V-2		UL 94
Additional Information			

The value listed as Comparative Track Index, UL 746, was tested in accordance with ASTM D3638. The value listed as Unnotched Izod Impact, ASTM D256, was tested in accordance with ASTM D4812.

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