

# Ferro PP NPP00GT03BK

Polypropylene  
Ferro Corporation

Message:

Ferro PP NPP00GT03BK is a polypropylene material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The processing method is injection molding.  
The main features of Ferro PP NPP00GT03BK are:  
flame retardant/rated flame  
Flame Retardant

General Information			
Features	Flame retardancy		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.958	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.7	%	ASTM D955
Transverse flow	1.8	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	28.3	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	50	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant: 23°C	1160	MPa	ASTM D790
Tangent: 23°C	1240	MPa	ASTM D790
Flexural Strength (23°C)	37.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	64	J/m	ASTM D256
Unnotched Izod Impact (23°C)	960	J/m	ASTM D4812
Dart Drop Impact (23°C)	16.9	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	87.8	°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	136	sec	ASTM D495
Comparative Tracking Index (CTI)	600	V	UL 746

High Voltage Arc Tracking Rate (HVTR)	13.0	mm/min	UL 746
Hot-wire Ignition (HWI)	53	sec	UL 746
Flammability	Nominal Value	Unit	Test Method
Flame Rating (6.35 mm)	V-2		UL 94

Additional Information

The value listed as Comparative Tracking Index was tested in accordance with ASTM D3638.California Furniture Testing, TB 133: Passed

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