

Ferro PP NPP00GX08BK

Polyolefin

Ferro Corporation

Message:

Ferro PP NPP00GX08BK is a polyolefin material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific.

General Information			
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.898	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.8	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.2	%	ASTM D955
Transverse flow	1.3	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	77		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	21.4	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	300	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant: 23°C	772	MPa	ASTM D790
Tangent: 23°C	814	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	24.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	960	J/m	ASTM D256
Unnotched Izod Impact (23°C)	360	J/m	ASTM D256
Instrumented Dart Impact (-30°C)	28.7	J	ASTM D3763
Dart Drop Impact	32.5	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	73.9	°C	ASTM D648
1.8 MPa, not annealed	46.1	°C	ASTM D648
Linear thermal expansion coefficient			ASTM E831
Flow	1.1E-4	cm/cm/°C	ASTM E831
Lateral	1.4E-4	cm/cm/°C	ASTM E831
Additional Information			

Filler Content, ASTM D2584: 0.6%Shear Modulus, ASTM D4065, 23°C: 181 MPaFlammability, ISO 3795: 15 mm/min

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