

Ferro PP LPP10YE09BK

Polypropylene Homopolymer
Ferro Corporation

Message:

Ferro PP LPP10YE09BK is a Polypropylene Homopolymer (PP Homopolymer) material filled with 11% calcium carbonate. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding. Primary attribute of Ferro PP LPP10YE09BK: Homopolymer.
Typical application of Ferro PP LPP10YE09BK: Food Contact Applications

General Information			
Filler / Reinforcement	Calcium Carbonate,11% Filler by Weight		
Features	Homopolymer		
Agency Ratings	FDA Unspecified Rating		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.978	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.5	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.8	%	
Across Flow	2.0	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	34.5	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	20	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 23°C	1830	MPa	
Tangent : 23°C	1920	MPa	
Flexural Strength (23°C)	50.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	32	J/m	ASTM D256
Unnotched Izod Impact (23°C)	510	J/m	ASTM D4812
Gardner Impact (23°C)	0.565	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	110	°C	
1.8 MPa, Unannealed	62.8	°C	

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