

Ferro PP LPP40YR04BK

Polypropylene Copolymer

Ferro Corporation

Message:

Ferro PP LPP40YR04BK is a Polypropylene Copolymer (PP Copolymer) material filled with 40% 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 LPP40YR04BK: Copolymer.

General Information			
Filler / Reinforcement	Calcium Carbonate,40% Filler by Weight		
Features	Copolymer		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.5	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.0	%	
Across Flow	1.4	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	15.2	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	200	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 23°C	1150	MPa	
Tangent : 23°C	1280	MPa	
Flexural Strength (23°C)	23.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	770	J/m	ASTM D256
Unnotched Izod Impact (23°C)	No Break		ASTM D4812
Gardner Impact (23°C)	31.1	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	90.6	°C	
1.8 MPa, Unannealed	54.4	°C	

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