

Ferro PP LPP40BC47WH

Polypropylene

Ferro Corporation

Message:

Ferro PP LPP40BC47WH is a Polypropylene material filled with 42% calcium carbonate. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

Important attributes of Ferro PP LPP40BC47WH are:

Heat Stabilizer

Homopolymer

Impact Resistant

Typical application of Ferro PP LPP40BC47WH: Coating Applications

General Information			
Filler / Reinforcement	Calcium Carbonate,42% Filler by Weight		
Additive	Heat Stabilizer		
Features	Good Impact Resistance		
	Heat Stabilized		
	Homopolymer		
Uses	Protective Coverings		
Appearance	White		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.27	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.3	%	
Across Flow	1.5	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	75		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	23.4	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	30	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 23°C	2260	MPa	
Tangent : 23°C	2790	MPa	
Flexural Strength (23°C)	41.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	43	J/m	ASTM D256
Unnotched Izod Impact (23°C)	1100	J/m	ASTM D4812
Gardner Impact (23°C)	15.3	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	68.3	°C	
Injection	Nominal Value	Unit	
Drying Temperature	93.3	°C	
Drying Time	2.0 to 3.0	hr	
Rear Temperature	202 to 204	°C	
Middle Temperature	204 to 210	°C	
Front Temperature	210 to 213	°C	
Nozzle Temperature	213 to 218	°C	
Mold Temperature	43.3 to 51.7	°C	
Back Pressure	0.345 to 0.689	MPa	

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Recommended distributors for this material

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