

OPTUM® DPP30WA05BK

Polyolefin

Ferro Corporation

Message:

OPTUM®DPP30WA05BK is a polyolefin material, which contains 30% talc filler. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The processing method is injection molding.
OPTUM®The typical application fields of DPP30WA05BK are: packaging

General Information			
Filler / Reinforcement	Talc filler, 30% filler by weight		
Uses	Food packaging		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.3	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.3	%	ASTM D955
Transverse flow	1.6	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	31.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	25	%	ASTM D638
Flexural Modulus			ASTM D790
1% secant: 23°C	2160	MPa	ASTM D790
Tangent: 23°C	2840	MPa	ASTM D790
Flexural Strength (23°C)	48.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	J/m	ASTM D256
Unnotched Izod Impact (23°C)	670	J/m	ASTM D4812
Dart Drop Impact (23°C)	7.34	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	117	°C	ASTM D648
1.8 MPa, not annealed	66.7	°C	ASTM D648

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