

OPTUM® DPP40WI11WH

Polyolefin

Ferro Corporation

Message:

OPTUM® DPP40WI11WH is a Polyolefin material filled with 42% calcium carbonate. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.
Typical application of OPTUM® DPP40WI11WH: Packaging

General Information			
Filler / Reinforcement	Calcium Carbonate,42% Filler by Weight		
Uses	Food Packaging		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.60	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	0.60	%	
Across Flow	0.90	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	20.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	30	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 23°C	1490	MPa	
Tangent : 23°C	1690	MPa	
Flexural Strength (23°C)	30.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	140	J/m	ASTM D256
Unnotched Izod Impact (23°C)	No Break		ASTM D4812
Gardner Impact (23°C)	20.3	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	96.1	°C	
1.8 MPa, Unannealed	65.6	°C	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

