

Technical Data Sheet

Polyfort DPP40WI08GY-GY OPTUM



Polyolefin, Unspecified

Product Description

Polyfort DPP40WI08GY-GY OPTUM is a Polyolefin, Unspecified Calcium Carbonate, 41% filled material and is typically used in Injection Molding applications.

Processing Method	Injection Molding
Forms	Pellets
Application	Food Packaging
Filler/Reinforcement	Calcium Carbonate, 41%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	0.40	g/10 min	ASTM D1238
Density - Specific Gravity	1.29	g/cm ³	ASTM D792
Mechanical			
Tensile Strength, (23 °C)	19.3	MPa	ASTM D638
Flexural Modulus			
(23 °C, 1% Secant)	1810	MPa	ASTM D790
(23 °C, Tangent)	1970	MPa	ASTM D790
Tensile Elongation at Break, (23 °C)	30	%	ASTM D638
Flexural Strength, (23 °C)	33.8	MPa	ASTM D790
Impact			
Gardner Impact, (23 °C)	16.9	J	ASTM D5420
Unnotched Izod Impact, (23 °C)	No Break		ASTM D4812
Notched Izod Impact, (23 °C)	140	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	65.6	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	96.1	°C	ASTM D648