

# Polyfort DPP40WI08GY-GY OPTUM

LyondellBasell Industries - Polyolefin

## General Information

### Product Description

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

### General

Filler / Reinforcement	• Calcium Carbonate, 41% Filler by Weight
Uses	• Food Packaging
Forms	• Pellets
Processing Method	• Injection Molding

## Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.29		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.40	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (73°F)	2800	psi	ASTM D638
Tensile Elongation (Break, 73°F)	30	%	ASTM D638
Flexural Modulus			ASTM D790
1% Secant : 73°F	263000	psi	
Tangent : 73°F	286000	psi	
Flexural Strength (73°F)	4900	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	2.6	ft·lb/in	ASTM D256
Unnotched Izod Impact (73°F)	No Break		ASTM D4812
Gardner Impact (73°F)	150	in·lb	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	205	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	150	°F	ASTM D648