

Technical Data Sheet
POLYFORT® FPP 3748
 Polypropylene
 Engineering Plastics



Product Description

PP 20% Calcium Carbonate

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Calcium Carbonate, 20% Filler by Weight
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.04	1.04 g/cm ³	ASTM D792

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ¹ (Yield)	2760 psi	19.0 MPa	ASTM D638
Flexural Modulus ²	189000 psi	1300 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	2.3 ft·lb/in	130 J/m	ASTM D256

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ASTM D648
66 psi (0.45 MPa), Unannealed	122 °F	50.0 °C	
264 psi (1.8 MPa), Unannealed	194 °F	90.0 °C	

Additional Information	Nominal Value (English)	Nominal Value (SI)	Test Method
Filler Content	20 %	20 %	ASTM D5630

Notes
¹ 2.0 in/min (50 mm/min)
² 0.051 in/min (1.3 mm/min)

Notes
 These are typical property values not to be construed as specification limits.