

Technical Data Sheet

POLYFORT® FPP 3799

Polypropylene

Engineering Plastics



Product Description

PP 35% GF 15% BF filled

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Bead, 15% Filler by Weight • Glass Fiber, 35% Filler by Weight
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.40	1.40 g/cm ³	ASTM D792
Molding Shrinkage - Flow ¹	6.0E-4 in/in	0.060 %	Internal Method

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ² (Yield)	14500 psi	100 MPa	ASTM D638
Flexural Modulus ³	1.26E+6 psi	8700 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	1.9 ft·lb/in	100 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	320 °F	160 °C	
264 psi (1.8 MPa), Unannealed	302 °F	150 °C	

Additional Information	Nominal Value (English)	Nominal Value (SI)	Test Method
Filler Content	49 %	49 %	ASTM D5630

Notes

¹ 5x7 in plaque

² 2.0 in/min (50 mm/min)

³ 0.051 in/min (1.3 mm/min)

Notes

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