

## Technical Data Sheet

# POLYFORT<sup>®</sup> FPP 8842U

Polypropylene  
Engineering Plastics

### Product Description

PP 20% Talc

### General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Talc, 21% Filler by Weight
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.05	1.05 g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow <sup>1</sup>	8.5E-3 to 9.0E-3 in/in	0.85 to 0.90 %	Internal Method
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength <sup>2</sup> (Yield)	3050 psi	21.0 MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	65 %	65 %	ASTM D638
Flexural Modulus <sup>3</sup>	257000 psi	1780 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	3.3 ft·lb/in	180 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	212 °F	100 °C	
264 psi (1.8 MPa), Unannealed	127 °F	53.0 °C	
Additional Information	Nominal Value (English)	Nominal Value (SI)	Test Method
Filler Content	21 %	21 %	ASTM D5630

### Notes

<sup>1</sup> 5x7 in plaque

<sup>2</sup> 2.0 in/min (50 mm/min)

<sup>3</sup> 0.051 in/min (1.3 mm/min)

### Notes

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