

Technical Data Sheet

POLYFORT® 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 ³	ASTM D792
Molding Shrinkage - Flow ¹	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 ² (Yield)	3050 psi	21.0 MPa	ASTM D638
Tensile Elongation ² (Break)	65 %	65 %	ASTM D638
Flexural Modulus ³	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

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.