

**Technical Data Sheet**  
**POLYFORT® FPP 1005**  
 Polypropylene  
 Engineering Plastics



**Product Description**

PP Modified 40% Talc

**General**

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Talc, 40% Filler by Weight
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	1.28	1.28 g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow <sup>1</sup>	8.0E-3 in/in	0.80 %	Internal Method
Vinyl Acetate Content	3.0 wt%	3.0 wt%	

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength <sup>2</sup> (Yield)	4640 psi	32.0 MPa	ASTM D638
Flexural Modulus <sup>3</sup>	522000 psi	3600 MPa	ASTM D790

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	0.37 ft·lb/in	20 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	221 °F	105 °C	
264 psi (1.8 MPa), Unannealed	140 °F	60.0 °C	

Additional Information	Nominal Value (English)	Nominal Value (SI)	Test Method
Filler Content	41 %	41 %	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.