

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 ³	ASTM D792
Molding Shrinkage - Flow ¹	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 ² (Yield)	4640 psi	32.0 MPa	ASTM D638
Flexural Modulus ³	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

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.