

POLYFORT® PP 1407

Polypropylene
Engineering Plastics

Product Description

PP High Impact Unfilled

General

Material Status	• Commercial: Active
Availability	• North America
Features	• High Impact Resistance
Automotive Specifications	• GM GMP.PP.027 Color: Black • GM GMP.PP.027 Color: Natural
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density / Specific Gravity	0.912	0.910 g/cm ³	ASTM D792
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Strength ¹ (Yield)	2900 psi	20.0 MPa	ASTM D638
Tensile Elongation ¹ (Break)	2300 %	2300 %	ASTM D638
Flexural Modulus ²	145000 psi	1000 MPa	ASTM D790
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Notched Izod Impact	13 ft·lb/in	700 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	167 °F	75.0 °C	
264 psi (1.8 MPa), Unannealed	113 °F	45.0 °C	

Notes

¹ 2.0 in/min (50 mm/min)

² 0.051 in/min (1.3 mm/min)

Notes

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