



# PP 400

## POLYPROPYLENE

PP 400 offers superior mechanical properties in comparison to other options currently available on the market.

### HIGHLIGHTS

- High chemical resistance
- Great elasticity and toughness
- High electrical and fatigue resistance
- Excellent recyclability

### APPLICATIONS

- Automotive engine components
- Lifestyle applications
- Ideal for living hinges
- Textile industry applications
- Electronic part housings and assembly fixtures



### HEADQUARTERS

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TYPICAL PHYSICAL PROPERTIES			
PROPERTY	TEST METHOD	IMPERIAL	METRIC
Color/Appearance	Visual	White/Opaque	White/Opaque
Apparent Density Test (ADT)	ASTM D1895	0.0111 lb/in <sup>3</sup>	0.31 g/cc
PSD D10-D90 (D50)	Laser Diffraction		40μ-100μ (80μ)
Sintered Density	ASTM D792	0.0303 lb./in <sup>3</sup>	0.84 - 0.88 g/cc
Melt Viscosity (Virgin)	ASTM D1238	4-5 g/10min	4-5 g/10min
Tensile Strength at Break (XY)	ASTM D638	3,100 psi	21.4 MPa
Tensile Strength at Yield (XY)	ASTM D638	3,200 psi	22 MPa
Tensile Modulus (XY)	ASTM D638	151,000 psi	1,040 MPa
Elongation at Break (XY)	ASTM D638	50%	50%
Elongation at Yield (XY)	ASTM D638	26%	26%
Melting Point	ASTM D3418	300.2°F	149°C

The material properties provided herein are for reference purposes only. Actual values may vary significantly as they are dramatically affected by part geometry and process parameters. Material specifications are subject to change without notice.