

# 30% Glass Filled Nylon Type 6 Cast

## General Physical Properties (Approximate Values)

Specific Gravity		1.3	g/cm <sup>3</sup>
Compressive Strength @ 10% Deflection	ASTM D695	17,000	(psi)
Compressive Modulus	ASTM D638	420,000	(psi)
Izod Impact St.		0.8	ft. lb/in
Shear Strength		5,471	(psi)
Coefficient of Friction		0.4	(Dry vs Steel)
24 Hour H <sub>2</sub> O	ASTM D576	0.6	%
Hardness		84	(Scale D)
Coefficient of Thermal Expansion	ASTM D696	3.8 x 10 <sup>-5</sup>	in/in/°F
Temperature - Continuous		250-300	°F

Material properties and averages can vary from one manufacturer to another. These properties are given as reference without any obligation or liability on behalf of Precision Punch and Plastics.