TECAPRO® MT black - Stock Shapes (rods, plates, tubes)

Chemical Designation
PP (Polypropylene)

Colour
black

Density
0.92 g/cm^3

Main features
- heat stabilized
- autoclavable
- biocompatible
- good chemical resistance
- hydrolysis and superheated steam resistant
- low moisture absorption
- good slide and wear properties

Target Industries
- medical technology
- pharmaceutical industry
- food engineering

Mechanical properties	*condition*	*value*	*unit*	*test method*		*comment*
Tensile strength at yield	@ 73 °F	4918	psi	ASTM D 638		
Elongation at break (tensile test)	@ 73 °F	50	%	ASTM D 638		
Flexural strength	@ 73 °F	6464	psi	ASTM D 790		
Modulus of elasticity (flexural test)	@ 73 °F	210,000	psi	ASTM D 790		
Compression strength	1% Sec, @ 73 °F	2510	psi	ASTM D 695		
Compression modulus		232000	psi	ASTM D 695		
Impact strength (Izod)	@ 73 °F	1.04	ft-lbs/in	ASTM D 256		
Thermal properties	*condition*	*value*	*unit*	*test method*		*comment*
Melting temperature		325	°F	-	1)	(1) per ASTM D789
Deflection temperature	@264 psi	187	°F	ASTM D 648		
Service temperature	Long Term	212	°F	-		
Service temperature	Intermittent	284	°F	-		

- Resin specification:
  ASTM D4101
  Shapes specification:
  none

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