

Tensile Tester

Model 273-50

Tensile Strength Formula

Actual Pressure ÷ Area of Sample = Tensile Strength

Pressure Conversion Chart

Gauge Pressure x Area of Cylinder (11.05)		
Gauge Pressure = Actual Pressure		
100 PSI	=	1,105 LBS.
500 PSI	=	5,525 LBS.
1000 PSI	=	11,050 LBS.
1500 PSI	=	16,575 LBS.
2000 PSI	=	22,100 LBS.
2500 PSI	=	27,625 LBS.
3000 PSI	=	33,150 LBS.
3500 PSI	=	38,675 LBS.
4000 PSI	=	44,200 LBS.
4500 PSI	=	49,725 LBS.
5000 PSI	=	55,250 LBS.
5500 PSI	=	60,775 LBS.
6000 PSI	=	66,300 LBS.
6500 PSI	=	71,825 LBS.
7000 PSI	=	77,350 LBS.
7500 PSI	=	82,875 LBS.
8000 PSI	=	88,400 LBS.
8500 PSI	=	93,925 LBS.
9000 PSI	=	99,450 LBS.
9500 PSI	=	104,975 LBS.
10,000 PSI	=	110,500 LBS.



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