

Tensile Tester

Model 273-25

Tensile Strength Formula

Actual Pressure ÷ Area of Sample = Tensile Strength

Pressure Conversion Chart

Gauge Pressure x Area of Cylinder (5.15)		
Gauge Pressure = Actual Pressure		
100 PSI	=	515 LBS.
500 PSI	=	2,575 LBS.
1000 PSI	=	5,150 LBS.
1500 PSI	=	7,725 LBS.
2000 PSI	=	10,300 LBS.
2500 PSI	=	12,875 LBS.
3000 PSI	=	15,450 LBS.
3500 PSI	=	18,025 LBS.
4000 PSI	=	20,600 LBS.
4500 PSI	=	23,175 LBS.
5000 PSI	=	25,750 LBS.
5500 PSI	=	28,325 LBS.
6000 PSI	=	30,900 LBS.
6500 PSI	=	33,475 LBS.
7000 PSI	=	36,050 LBS.
7500 PSI	=	38,625 LBS.
8000 PSI	=	41,200 LBS.
8500 PSI	=	43,775 LBS.
9000 PSI	=	46,350 LBS.
9500 PSI	=	48,925 LBS.
10,000 PSI	=	51,500 LBS.



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