

Carpenter AerMet® 340

Category : Metal , Ferrous Metal , Alloy Steel , Tool Steel

Material Notes:

Order this product through the following link:

http://www.lookpolymers.com/polymer_Carpenter-AerMet-340.php

Physical Properties	Metric	English	Comments
Density	7.86 g/cc	0.284 lb/in ³	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	2430 MPa	352000 psi	
Tensile Strength, Yield	2160 MPa	314000 psi	
Elongation at Break	11.3 %	11.3 %	
Reduction of Area	55.2 %	55.2 %	
Tensile Modulus	192 GPa	27900 ksi	
Fatigue Strength	986 MPa @# of Cycles 1.00e+7	143000 psi @# of Cycles 1.00e+7	R=-1, Kt=1
Fracture Toughness	34.61 MPa-m ^{1/2}	31.50 ksi-in ^{1/2}	
Charpy Impact	14.6 J	10.8 ft-lb	notched

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