

Kinetics MIM K1 Kinetics Custom Alloy

Category : Metal

Material Notes:

K1 is a custom alloy that provides very high wear resistance. Possible applications include agricultural implements, high security lock components, and wear surface applications in assemblies. This material is also non-magnetic and can be used in assemblies when magnetic materials could cause interference with other electronic components. Property values reported are typical for Kinetics' MIM products. Metal Injection Molding General Notes: Fine metal powders (generally

Order this product through the following link:

http://www.lookpolymers.com/polymer_Kinetics-MIM-K1-Kinetics-Custom-Alloy.php

Physical Properties	Metric	English	Comments
Density	7.52 g/cc	0.272 lb/in ³	Sintered

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	510 MPa	74000 psi	
Elongation at Break	1.5 %	1.5 %	in 1 inch
Reduction of Area	1.5 %	1.5 %	
Charpy Impact, Unnotched	2.71 J	2.00 ft-lb	1/2 size bar

Descriptive Properties	Value	Comments
Hardness Rockwell R15N	70	
Surface Finish	48 Ra	

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