PSM Industries PolyAlloys MIM-2200 sintered Low Alloy Steel

Category : Metal , Ferrous Metal , Alloy Steel , Low Alloy Steel

Material Notes:

PolyAlloys Injected Metals, a division of PSM Industries, Inc., offers precision, High-Performance components for structural, magnetic and electronic applications that require a high degree of complexity and near full theoretical density by utilizing Metal Injection Molding (MIM). MIM can economically produce complex shapes beyond the capability of conventional Powdered Metallurgy.Benefits of Metal Injection Molding96-98% of Theoretical DensityExcellent Mechanical PropertiesAvoids Costly Secondary OperationsExcellent Surface FinishesCapable of Extreme 3-D GeometriesHolds Tight TolerancesExtremely Thin Wall Section CapabilitiesInformation Provided by PolyAlloys, a division of PSM Industries

Order this product through the following link:
http://www.lookpolymers.com/polymer_PSM-Industries-PolyAlloys-MIM-2200-sintered-Low-Alloy-Steel.php

Physical Properties	Metric	English	Comments
Density	7.60 g/cc	0.275 lb/in³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	45	45	Macro
Tensile Strength, Ultimate	>= 255 MPa	>= 37000 psi	
	290 MPa	42000 psi	Typical
Tensile Strength, Yield	>= 110 MPa @Strain 0.200 %	>= 16000 psi @Strain 0.200 %	
	124 MPa @Strain 0.200 %	18000 psi @Strain 0.200 %	
Elongation at Yield	>= 20 %	>= 20 %	in 1 in.
	40 %	40 %	in 1 in.; Typical
Modulus of Elasticity	193 GPa	28000 ksi	
Charpy Impact, Unnotched	136 J	100 ft-lb	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China