

PSM Industries PM Krupp M4 Powder Metallurgy Steel Alloy

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

Material Notes:

PSM Industries is a company that is using Powder Metallurgy technologies to create engineered materials for applications requiring extreme wear resistance and toughness. The drive is to use conventional Powder Metallurgy tooling to capture net or near net shapes in materials that were previously were ingot-cast wrought products. By capturing more net shape, the result is that the number of costly secondary labor operations are reduced which translates to lower manufacturing costs. Information Provided by PM Krupp, a division of PSM Industries

Order this product through the following link:

http://www.lookpolymers.com/polymer_PSM-Industries-PM-Krupp-M4-Powder-Metallurgy-Steel-Alloy.php

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	64 - 66	64 - 66	

Component Elements Properties	Metric	English	Comments
Carbon, C	1.25 - 1.4 %	1.25 - 1.4 %	
Chromium, Cr	3.75 - 4.75 %	3.75 - 4.75 %	
Manganese, Mn	0.15 - 0.40 %	0.15 - 0.40 %	
Molybdenum, Mo	4.25 - 5.5 %	4.25 - 5.5 %	
Phosphorous, P	<= 0.030 %	<= 0.030 %	
Silicon, Si	0.20 - 0.45 %	0.20 - 0.45 %	
Sulfur, S	<= 0.030 %	<= 0.030 %	
Tungsten, W	5.25 - 6.5 %	5.25 - 6.5 %	
Vanadium, V	3.75 - 4.5 %	3.75 - 4.5 %	

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