

Osprey Metals 17-4 PH Stainless Steel Powder (Grade 80% - 22)

Category : Metal , Ferrous Metal , Stainless Steel , Precipitation Hardening Stainless

Material Notes:

Particle size distribution 1-250 microns. Typical distribution: 80% < 22 microns 67% < 16 microns 43% < 10 microns 14% < 5 microns Mean size is 12 microns. Material Notes: Composition above is typical of 17-4 PH precipitation hardening stainless. This alloy is widely used because of its high strength, high hardness, excellent corrosion resistance, and easy heat treatment. The 17-4 PH alloy is used in aerospace, medical, food processing, and chemical industries for applications such as pump shafts, valve stems, braces, fasteners, coupling, rocket and missile components, hydraulic actuators, and wear rings. SHAPE: Predominantly spherical PACKAGING: 4 & 20 Kg. Chemical composition and particle size distribution can be adjusted to suit customers' requirements. The specifications listed are subject to the benefits and scrutiny of Osprey's accreditation to ISO 9001. If the product delivered does not substantially meet the specification, Osprey will replace it. Osprey's liability is limited to the cost of replacement. Information provided to MatWeb by Osprey Metals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Osprey-Metals-17-4-PH-Stainless-Steel-Powder-Grade-80-22.php

Physical Properties	Metric	English	Comments
Particle Size	12 µm	12 µm	Mean

Component Elements Properties	Metric	English	Comments
Carbon, C	0.010 - 0.070 %	0.010 - 0.070 %	
Chromium, Cr	15.5 - 17.5 %	15.5 - 17.5 %	
Copper, Cu	3.0 - 5.0 %	3.0 - 5.0 %	
Iron, Fe	71.85 %	71.85 %	
Manganese, Mn	0.76 %	0.76 %	Typical
	<= 1.0 %	<= 1.0 %	
Molybdenum, Mo	<= 0.30 %	<= 0.30 %	
Nickel, Ni	3.0 - 5.0 %	3.0 - 5.0 %	
Niobium, Nb (Columbium, Cb)	0.15 - 0.45 %	0.15 - 0.45 %	
Phosphorous, P	<= 0.040 %	<= 0.040 %	
Silicon, Si	0.84 %	0.84 %	Typical
	<= 1.0 %	<= 1.0 %	
Sulfur, S	<= 0.030 %	<= 0.030 %	

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