

Osprey Metals 17-4 PH/MA Stainless Steel Master Alloy Powder (Grade 95% - 16)

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

Material Notes:

Particle size distribution 1-250 microns. Typical distribution: 98% < 22 microns 95% < 16 microns 80% < 10 microns 26% < 5 microns Mean size is 6.7 microns. 17-4 PH/MA Precipitation Hardening Stainless Steel Master Alloy blended with 2 parts iron to produce 17-4 PH alloy after sintering. 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-PHMA-Stainless-Steel-Master-Alloy-Powder-Grade-95-16.php

Physical Properties	Metric	English	Comments
Particle Size	6.7 µm	6.7 µm	Mean

Component Elements Properties	Metric	English	Comments
Aluminum, Al	<= 0.10 %	<= 0.10 %	
Carbon, C	<= 0.070 %	<= 0.070 %	
Chromium, Cr	49 - 52 %	49 - 52 %	
Copper, Cu	11 - 14 %	11 - 14 %	
Iron, Fe	23.8 %	23.8 %	
Manganese, Mn	<= 2.0 %	<= 2.0 %	
Nickel, Ni	11 - 14 %	11 - 14 %	
Niobium, Nb (Columbium, Cb)	0.60 - 0.90 %	0.60 - 0.90 %	
Nitrogen, N	<= 0.90 %	<= 0.90 %	
Oxygen, O	<= 0.25 %	<= 0.25 %	
Phosphorous, P	<= 0.045 %	<= 0.045 %	
Silicon, Si	<= 3.0 %	<= 3.0 %	
Sulfur, S	<= 0.030 %	<= 0.030 %	
Titanium, Ti	<= 0.010 %	<= 0.010 %	

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