

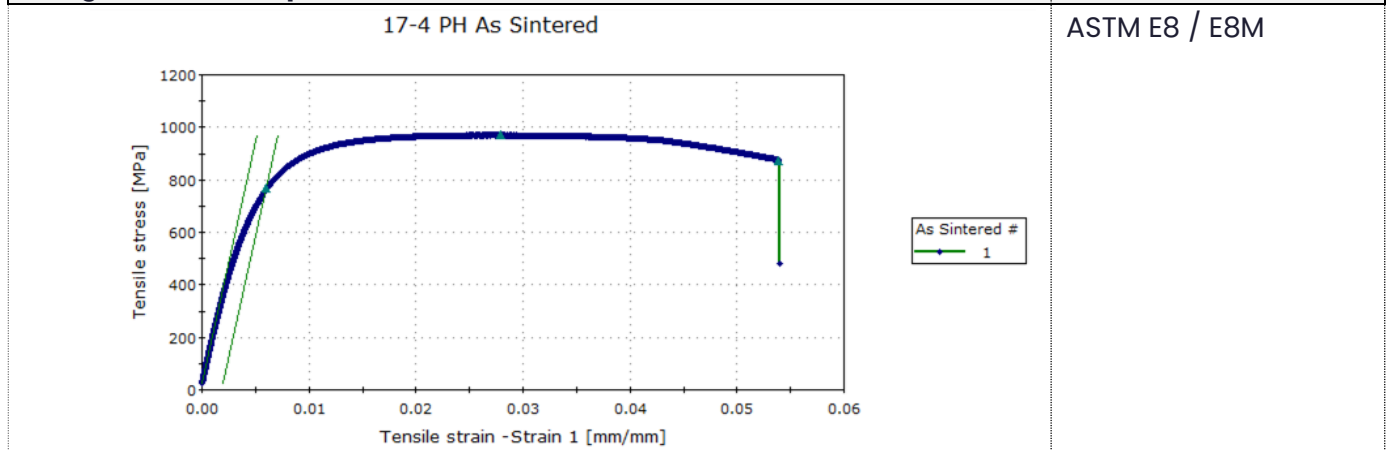
## Stainless Steel 17-4 PH Build Dispersion – As Sintered

Composition (%)		Standard
C	<0.07	
Cr	15.0-17.5	
Ni	3-5	
Cu	3-5	
Mn	≤1	
Nb + Ta	0.15-0.45	
Si	≤1	
Fe	Balance	

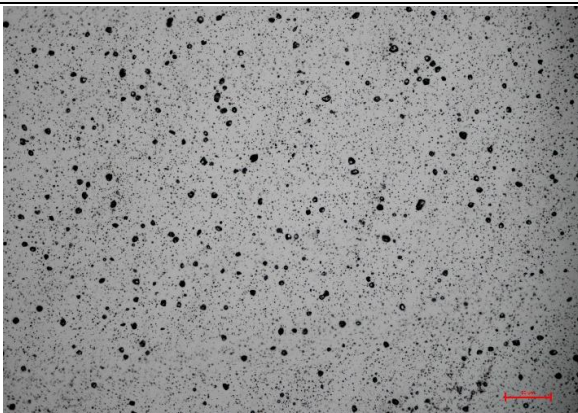
Physical Properties		Standard
Density	97% - 7.57 g/cm <sup>3</sup>	ASTM B311

Mechanical Properties		
Tensile Strength, Ultimate	990 MPa	ASTM E8 / E8M
Tensile Strength, Yield	775	ASTM E8 / E8M
Elongation (%)	6%	ASTM E8 / E8M
Modulus of Elasticity	196	ASTM E8 / E8M
Hardness HRC	30 - 36	ASTM E18 - 20
Shrinkage per Dimension	13±1%	
Surface Roughness (µm Ra)	N6-N9	

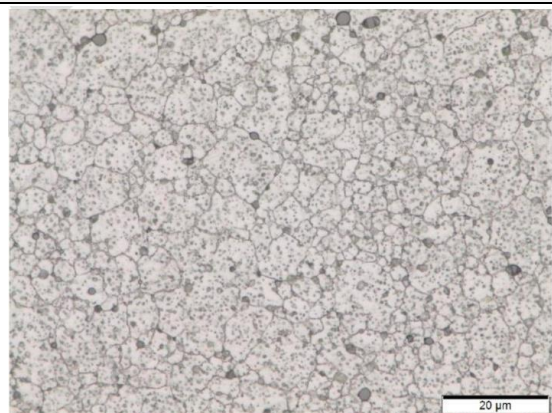
Elongation Test Graph	Standard
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Optical Microstructure as Sintered
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Unetched



Etched

Others	
MSDS Availability	EU, US
Certifications	ISO 9001, ISO 13485
Cartridge Weight	3Kg
Storage Conditions	15-35°C, 50% relative humidity, non-condensing
Suitable Protection	Wear suitable protective clothing, gloves and eye/face protection
Risk Phrases	H20/H22: Harmful if inhaled or swallowed H37/37/38: Irritating to eyes, respiratory system and skin
First Aid	Skin contact: rinse with large amounts of water and soap Refer for medical attention as necessary Do not use solvents or thinners
Ingestion Inhalation	DO NOT induce vomiting. Get medical attention immediately
Shelf Life	1 year

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