



TUNGSTEN OXIDE

BTO/YTO

Technical Data Sheet



Blue Tungsten Oxide (BTO) and Yellow Tungsten Oxide (YTO) are the most common forms of tungsten oxide used in the reduction of tungsten powders.

APPLICATIONS: Tungsten Powder

PHYSICAL PROPERTIES				NON-METALLIC IMPURITIES (WT%)	
Type	Average Fisher Particle Size FSSS (µm)	Apparent Density (g/in ³)	Standard Screening (mesh size)	Carbon	Oxygen (LOR)
BTO	15.0–25.0	35–50	-100	≤0.002	≤20.1
YTO	10.0–20.0	35-45	-100	≤0.002	≤20.7

METALLIC IMPURITIES (WT%)										
Element	Al	As	Ca	Co	Cr	Fe	Mo	S	Si	Ti
Typical	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.001	<0.001	<0.0005	<0.0005	<0.0005
Max	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.001	0.001	0.001

MESH ANALYSIS		
Mesh Size	Min	Max
+100	0	5
+200	30	70
+325	10	30
-325	0	30

