

Grain Size Distribution and Chemical Component Of Boron Carbide

Grain Size	Basic Grain(μm)	Chemical Component		
		Total B	Total C	Content B_4C
60 [#]	250	77-80	17-22	96-98
70 [#]	212			
80 [#]	180			
90 [#]	150			
100 [#]	150			
120 [#]	106			
150 [#]	90-75			
180 [#]	75-63	76-79		95-97
220 [#]	63-53			
240 [#]	63-53			
W63	63-50			
W50	50-40			
W40	40-28			
W28	28-20	75-78		94-95
W20	20-14			
W14	14-10			
W10	10-7			
W7	7-5	74-78	90-94	
W5	5-3.5			
W3.5	3.5-2.5			
W2.5	2.5-0			
60 [#] -150 [#]	250-75	75-80	93-97	
46 [#] -120 [#]	350-63			
70 [#] -220 [#]	212-53			
-100mesh	<150			
-140mesh	<100			
-200mesh	<75			
-325mesh	<44			
-25 μm	<25			
-10 μm	<10			