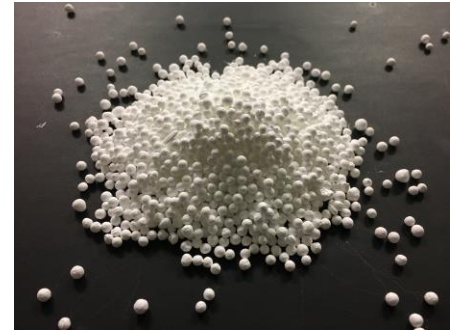


Product Data Sheet

Name: High Purity Alumina Beads
Type: HPA-B



Typical Physical properties:

Form	Puck
Loose Density (g/cm ³)	>1.80
size (mm)	2-4 mm
Chemical phase	Alpha

Chemical Properties:

Elements	Na	Mg	Si	Ca	Ti	Ga	Fe	Zn	K	Others
Concentration (ppmw)	<3	<1.0	<1	<2	<0.5	<0.1	<1	<<0.5	<1	<0.5

Note:

Our alumina beads are able to provide higher yield in sapphire growth due to better clarity and reduced micro bubbles and inclusions in the ingot.