

# Aluminum Toughened Zirconia Powder

アルミニウム強化ジルコニア粉末

ATZ ceramic powder is a composite material of nano Alumina and nano Zirconia. ATZ produced by our company is divided into chemical grade and physical grade, which can meet the demands of different customers. ATZ ceramics can partly replace yttria stabilized zirconia ceramics, especially in wear-resistant structural parts. The chemical method has the advantages of fine grain, low-sintering temperature, good strength, toughness and wear resistance.

Product Code	Chemical composition%					Sintered Density	Appearance	Other
	Y-ZrO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	TiO <sub>2</sub>	(g/cm <sup>3</sup> )		
SY-ATZ10	90	9.8	0.01	0.02	0.02	5.8	Powder/Granule	Can be adjusted according to customers' requirements
SY-ATZ20	80	19.8	0.01	0.02	0.02	5.6	Powder/Granule	
SY-ATZ20B	79.95	19.95	0.001	0.001	0.001	5.65	Powder/Granule	Produced by chemical method