



## INERT BALL PRODUCTS SPECIFICATIONS

TPS-129 REV.4

2016/8/1

		BSS18 (CERAMIC BALL)			BSS99 (HIGH ALUMINA BALL)			
<b>CHEMICAL COMPOSITION</b>	Al <sub>2</sub> O <sub>3</sub>	13.0 wt. % Min.			99.3 wt. % Min.			
	SiO <sub>2</sub>	80.0 wt. % Max.			0.30 wt. % Max.			
	Fe <sub>2</sub> O <sub>3</sub>	1.0 wt. % Max.						
	TiO <sub>2</sub>	0.5 wt. % Max.						
	CaO	0.5 wt. % Max.						
	MgO	0.5 wt. % Max.						
	Na <sub>2</sub> O K <sub>2</sub> O	2.5wt.%Max. } 3.5wt.%Max. } 5.0wt% Max.						
<b>PHYSICAL PROPERTIES</b>	POROSITY	1.0 wt. % Max.			15 wt. % Max.			
	WATER ABSORPTION	0.5 wt. % Max.			5 wt. % Max.			
	REFRACTORINESS SK	SK 12 (1350°C)			SK 35 (1770°C)			
<b>CRUSHING STRENGTH</b>	SIZE	Kgf			SIZE	Kgf		
	1/8"	Min. 30 Kgf			1/8"	Min. 80 Kgf		
	1/4"	85			3/16"	100		
	3/8"	160			1/4"	150		
	1/2"	200			3/8"	600		
	3/4"	450			1/2"	700		
	1"	600			3/4"	1400		
<b>SIZE TOLERANCE &amp; BULK DENSITY</b>	SIZE	m/m	RANGE	BULK DENSITY	SIZE	m/m	RANGE	BULK DENSITY
	1/8"	3.2	±1.0	1.43±0.15	1/8"	3.2	2.5~4.0	2.13±0.15
	1/4"	6.4	±1.0	1.40±0.15	3/16"	4.5	4.0~5.0	2.05±0.15
	3/8"	9.3	±1.5	1.38±0.15	1/4"	6.4	5.5~7.0	2.05±0.15
	1/2"	12.7	±1.5	1.38±0.15	3/8"	11.0	10.0~12.0	2.00±0.15
	3/4"	19.1	±1.5	1.35±0.15	1/2"	13.0	12.0~14.0	2.00±0.15
	1"	25.4	±1.5	1.35±0.15	3/4"	19.0	18.0~20.0	1.95±0.15
				1"	25.0	23.5~26.5	1.95±0.15	

\* ABOVE PRODUCTS SPECIFICATION MAY BE CHANGED WITHOUT NOTICE IN ADVANCE.