

17%-19% Ceramic Ball



Product Introduction: 17%-19% Ordinary Ceramic Ball, is the most widely used support media in the world because of their excellent consistence and reliability.

Xintao 17%-19% Ordinary Ceramic Ball, is equal to Denstone® 57 Support Media. It is manufactured from very high quality chemical-porcelain clay materials, which has quite excellent stability, high mechanical strength and resistance to thermal shock, This makes them all ideal choice for support of all types of catalyst.

Typical Application: Be mainly used in the petroleum, chemical industry, fertilizers, natural gas, environmental protection and other industries. It plays a role of supporting and compacting the packing of the tower.

Warranty: By National Standard HG/T 3683.1-2014 .
Free consultation during the warranty period.

Normal Package: 25KG/Plastic bag, palletized.

Technical Parameter:

Model		17%-19% Ordinary Ceramic Ball										
Color		Light gray										
Shape		Ball										
Chemical composition		Min. %		Max. %		Usual %						
		Al ₂ O ₃	17		19	18						
		SiO ₂	70		77	74.9						
		Al ₂ O ₃ + SiO ₂	90		94	93						
		Fe ₂ O ₃	/		1.0	0.9						
		TiO ₂	/		0.5	0.46						
		CaO	/		0.5	0.42						
		MgO	/		0.5	0.38						
		Na ₂ O	/		2	1.12						
		K ₂ O	/		3.5	3.28						
Physical properties	Leachable Iron (%)				≤0.1							
	Apparent Porosity by Weight (%)	D≥10mm				≤0.4						
		D=6mm				≤1.0						
		D=3mm				≤3.0						
	Water absorption (wt.%)				< 0.5							
	Acid resistance (%)				> 99.8							
	Alkaline resistance (%)				> 85							
	Bulk Density	(g/cm ³)				1.35						
		(lb/ft ³)				84						
	Partikel density	(g/cm ³)				2.30						
		(lb/ft ³)				144						
	Moh's hardness (scale)				> 6.5							
	Thermal conductivity (w/m ² .k)				0.9-1.0							
	Specific heat (J/kg.°C)				628-837							
	Max. Operating Temperature	(°C)				1050						
(°F)				1922								
Thermal expansion (%) (500°C)				0.20								
Thermal Shock Stability (times) (500 °C then water cooling)				10								
Geometric properties	Nominal Size	(mm)	3	6	10	13	16	19	25	38	50	
		(inch)	1/8	1/4	3/8	1/2	5/8	3/4	1	1.5	2	
	Crush Strength Min.	(lbs)	77	176	234	572	726	1672	1870	2090	3476	
		(kg)	35	80	106	260	330	760	850	950	1580	
		(N/PC)	343	784	1039	2548	3234	7448	8330	9310	15484	