

HY-19

Inert Ceramic Support Balls

Description

HY-19 ceramic support balls are commonly used in catalyst processes with adsorbent media and has high impact resistance and crush strength and can withstand thermal shock, offering high survivability.

Specifications

Inert Ceramic Support Balls HY-19										
Chemical Composition (Typical Values)										
Element	SiO ₂	Al ₂ O ₃	SiO ₂ + Al ₂ O ₃	Fe ₂ O ₃	CaO	TiO ₂	MgO	K ₂ O + Na ₂ O	Leachable Iron	
wt%	70 - 76	17 - 19	>92	<1.0	<0.5	<0.5	<0.5	<4.5	<0.1	
Bead Size Properties										
Mesh Size*	1/16 Inch	1/8 Inch	1/4 Inch	3/8 Inch	1/2 Inch	3/4 Inch	1 Inch	1.5 Inch	2 Inch	
Bead Diameter	1.5 mm	3 mm	6 mm	10 mm	13 mm	19 mm	25 mm	38 mm	50 mm	
Size Tolerances (allowable deviation)	-	±1.0 mm			±1.5 mm			±2.0 mm		
Crush Strength kg (lbm*ft/s ²)	>10 (22)	>35 (77)	>70 (144)	≥150 (330)	>273 (600)	>600 (1,320)	>1,000 (2,200)	>1,182 (2600)	>1,362 (3,000)	
*(also available in 16mm, 30mm, and 75mm Mesh Sizes)										
Physical Properties										
Property	All Mesh Sizes									
Free Volume	%									
H ₂ O Adsorption	wt%									
Hardness	Mohs									
Particle Density	g/mL (lb/ft ³)									
Bulk Density	kg/m ³ (lb/ft ³)									
Max Operating Temperature	-									
Acid Resistance	%									
Alkali Resistance	%									
Packaging	Super Sack options available				25kg (55.1lb) / Bag			other sizes possible		

Industries Used

oil refining
gas processing

natural gas dehydration
biofuel production

petroleum gas
petrochemical

Storage

Ceramic support balls should not be left exposed to open air for prolonged periods and should be stored in dry conditions with air-proof packaging.

Connect with us...

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