



Nanhai Chemical & Equipment (HK) Co.
南海设备化工（香港）公司

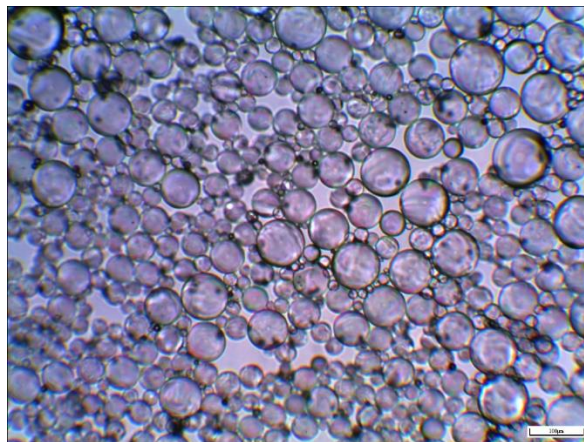
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Technical Information for OILFIELD

For application in other industries
please contact us



WHY HOLLOW GLASS MICROSPHERE

1. Hollow glass ball itself is inactive to chemical thus without pollution.
and can be recycled. Easy use and easy pump
2. Incompressible and uniform in density.
3. High crush strength, good thermal stability and mineral salt
compatibility
- 4 Good rheological properties
- 5 High filling rate

6. No loss of MWD signal
7. Sludge cakes have good lubrication, reducing the risk of sticking
8. Good lubricant effect for drilling
9. Good rolling performance by increasing the drilling rate, and significantly improve the drilling efficiency
10. Better fluid loss control and prevent leaking
11. Can consolidate the wells, prevent or reduce leakage, increase the cement top.
12. Lower production cost

Main Properties

Composition: Soda Lime borosilicate
True density: 0.20-0.60g/CC
Compressive strength: 2000-15000Psi
Thermal conductivity: 0.03-0.06W/m

Types for Cementing and Drilling

NH4000

Item	NH4000			
Particle Size(um)	10TH %	50TH %	90 %TH	Size
	20	50	90	2-100
Bulk Density(g/cm3)	0.23-0.24			
True Density(g/cm3)	0.40			
Breaking Strength(psi)	4000			
Flotation Rate(%)	90-95%			
PH value	8-9.5			
Melting point	625°C			
Appearance	White			
Thermal Conductivity	0.0654			

(W·m ⁻¹ ·K ⁻¹) at 20°C	
Survival Rate(%)	80-90%

NH6000

Item	Y6000			
Particle Size(um)	10TH %	50TH %	90 %TH	Size
	22	45	65	2-85
Bulk Density(g/cm3)	0.26-0.27			
True Density(g/cm3)	0.46			
Breaking Strength(Mpa/psi)	41/6000			
Flotation Rate(%)	90-95%			
PH value	8-9.5			
Melting point	625°C			
Appearance	White			
Thermal Conductivity (W·m ⁻¹ ·K ⁻¹) at 20°C	0.0777			
Survival Rate(%)	80-90%			

NH12000

Item	Y12000			
Particle Size(um)	10TH %	50TH %	90 %TH	Size
	18	45	75	2-85
Bulk Density(g/cm3)	0.35-0.36			
True Density(g/cm3)	0.60			
Breaking Strength(Mpa/psi)	82/12000			
Flotation Rate(%)	90-92%			
PH value	8-9.5			
Melting point	625°C			
Appearance	White			
Thermal Conductivity (W·m ⁻¹ ·K ⁻¹) at 20°C	0.0990			
Survival Rate(%)	80-90%			

PACKING

Grade Y4000	Carton A 42*42*52CM <i>WITH NO PALLET</i>	Carton B 50*50*50CM	Jumbo Bag 100*100*200cm
Single package	20KG	28KG	500KG
20GP	5200KG	4480KG	5000KG
40GP	11200KG	9856KG	10000KG
40HQ	13500KG	/	/

Supply Ability

15000 Tons per Year