

Technical Data Sheet: ULS-500

At Orient Microsphere and Packaging, Nagpur, we're redefining Cenospheres as UltraLightSpheres (ULS). We've harnessed the power of waste materials from thermal power plants to create advanced micro-ceramic materials. These ULS are your solution for cutting-edge technology in oil and gas, refractories, coatings and building constructions.

Specification	ULS-500
Physical Properties:	
Particle Size (Micron)	5-500
Specific Gravity (g/cc)	0.78 - 0.85
Bulk Density (g/cc)	0.35-0.48
Appearance	Off-white Powder
Sinkers (% by wt)	3% max
Moisture (% by wt)	1-2% max
pH	7 to 8
Hardness Mohs Scale	5 to 6
Crushing Strength (psi)	3000-4500
Loss of Ignition (%)	2% max
Thermal Conductivity (w/mk)	0.11
Oil Absorption (g oil/100 g)	16-20
Approx. Softening Point (°C)	1200-1250
Approx. Melting Point (°C)	1400-1450
Chemical Compositions:	
SiO ₂	50 - 60
Al ₂ O ₃	25 - 35
Fe ₂ O ₃	1-3%
Alkalis	2% max
Sieve Analysis:	
Size in Micron	% (Approx.)
-500	98%
150	17-22%
75	44-48%
-75	30-34%
Packaging	
Standard	HDPE jumbo bags with 100% dust-proof
Custom	As per Buyer's request

**Additional grades- Per customer requirement*