

SPHERE TEK TECHNICAL DATA SHEET

HOLLOW CERAMIC MICROSPHERES

features

good strength
low density
GRAY color
improved
flowability
inorganic

C.A.S. NO.

66402-68-4

storage and handling

This product is odorless, non-toxic and has very long shelf life when properly stored. Goggles and dust mask is required when handling. Tie up the opening of bags after each operation.

packages

big bag:
profile: 1150 x 1150 x 1050mm
valved paper bags:
profile: 180 x 420 x 760mm

contact us

Tangshan Hongwei
Advanced Material co., Ltd -
a SphereTek company
no.37, daqingdao street,
tangshan CHINA postal
code: 063000 phone: +86
186 31531978
<https://spheretek.co>

introduction

SPHERE TEK hollow ceramic microspheres are by product from coal fired electric power plants. also called cenospheres, this product series can be used as lightweight filler in a wide range of applications such as low density building materials, oil well cementing formulations, rubber and plastics, thermal insulation coatings, mining, transportation and many more interesting applications.

physical property (reference only)

Description	75	100	150	300	500	300/600	remark
crush Strength psi @23 °C	3000	3000	3000	2500	2500	1500	
true density g/cc	0.75	0.75	0.80	0.85	0.95	1.25	contact us for your customized requirement. we are eager to fine tune specifications to fit for your specific applications.
tapped density g/cc	0.42	0.42	0.45	0.45	0.42	0.38	
particle size D10 microns	30	34	38	75	120	300	
particle size D50 microns	45	55	75	180	325	440	
particle size D90 microns	70	90	133	275	465	570	
particle size top cut microns	100	125	200	425	600	700	
floating ratio %	95						
pH	7-8						
electro-conductivity uS	less than 600						
moisture rate %	less than 0.5%						
softening point °C	1250						
net weight per big bag (kg)	500	500	500	500	500	450	2 big bags per pallet
net weight per bag (kg)	20	20	20	20	20	18	25 bags per pallet

recommended applications

building material: puties, adhesives, cultured marble, coatings;

lightweight plastics: thermoplastics, SMC, BMC, RIM, RTM;

aeronautics and deep sea: spaceship, deep sea vessel;

oil and gas exploration: floatation material, deep sea exploration, lightweight cementing.