

Introduction

Sun Microsphere hollow ceramic microspheres is made of PFA(pulverized fuel ash) by products engineered to specific customers' demands, which offers important benefits .QK-HAL has high alumina content and demanded by high melting point applications.



Advantages

- ✍ High melting temperature;
- ✍ Strong Crush Strength;
- ✍ Excellent water resistance;
- ✍ Improved flowability;
- ✍ Low viscosity;
- ✍ Reduced shrinkage and warpage

Package and Storage

Big bag: polypropylene container bag;
 Typical package size: 1150 x 1150 x 1050mm (height)
 Typical net weight: 500kg

Paper Bag: 3ply water soluble kraft paper bag;
 Typical package size: 750 x 400 x 180mm (height)
 Typical net weight: 20kg

Both types are palletized and wrapped.

Typical properties

Product	QK-HAL
true density	0.75 g/cc
density	0.42 g/cc
crush strength	6000 psi
D10	45 microns
D50	125 microns
D90	255 microns
top effective size	300 microns
floating ratio	95%
thermal conductivity	0.08 W/mK
oil absorption	0.5g/cc
pH Value	6-8
melting point	1750 degree C
color	70 WhH*
Hardness	6 Moh's scale
Looks like	free flowing powder

* Hunter Lab index

Chemical Composition

SiO ₂	53%
Al₂O₃	38-43%
Fe ₂ O ₃	1.3-1.8%
CaO	0.5%
TiO ₂	0.09%
MgO	0.8%
K ₂ O	0.3%
Na ₂ O	0.5%
Loss on Ignition	0.36%

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