

Product Name	<i>Thermosphere 700</i>
Description	Alumina Silicate Glass Microspheres
Product Code	HGS-30
Specific Function	<ul style="list-style-type: none"> • Reduces weight of the end material • Imparts fire retardant property • Improves dimension stability • Improves noise reduction due to the thickness • Improves dimension stability • Reduce cracking property of the putties and fillers • Impart thermal insulation property by its low thermal conductivity value which is 0.040 W/m² °K • Reduces paint and coating weight on surface an in can or pail • Gives warm touch effect and anti-condensation property • Gives texture effect
PRODUCT CHARACTERIZATION	
Composition	SiO ₂ ≈77, Al ₂ O ₃ ≈12, K ₂ O≈4, Na ₂ O≈4, CaO≈1 Fe ₂ O ₃ ≈1, MgO≈0.5, TiO ₂ ≈ 0.5
Color	White
Effective Density gr/cm³	0,28 ± 0,10
Bulk Density gr/cm³	0,16 ± 0,10
Particle Size (µm)	d10 : 10 µm d50 : 40 µm d99 : 150 µm d100 : 300 µm trace
Pressure 10% collapse	700 psi
Oil Absorption	40 g / 100 cc
Melting Point	1000 °C
Thermal Conductivity	0.045 W/m ² °K
APPLICATION DATA	
Recommended Dosage	% 1 – 30 in weight
Mode of Incorporation	Mix under slow to medium sheer mixing
Storage	Keep dry
Packing	19.1 kg bags,
Health & Safety	Ask for the MSDS

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