

HIGH ALUMINIA FOAM SPHERES TECHNICAL DATA SHEET

Description of the product: Durable foam spheres for use as lightweight addition, functional lightweight filler

Application: lightweight granulates for concrete, mortars, grout, insulation including loose. Offer fire, chemical & biological resistance, durability, humidity & vapor conductivity, thermal insulation, stability & are environmental friendly.

Characteristics	Granular Sizes			
	4 - 8 mm	2 - 4 mm	1 - 2 mm	0.5 - 1 mm
Granular size				
Bulk density kg/m ³	150 (+/-15%)	200 (+/-15%)	230 (+/-15%)	270 (+/-15%)
Compressive strength MPa	1.2	1.4	1.6	2
Thermal conductivity W/(m-K)	0.06	0.07	0.08	0.08
Water absorption % by mass*		9	10	10
Frost/thawing resistance % by mass**			No more than 0.7	
Oversize			10 %	
Undersize			15 %	
pH value			9-11	
Moisture content on shipment			<0.5 %	
Softening Point			approx. 700 ⁰ C / 1300 ⁰ F	
Acid soluble sulphates			Ave. value 0.18 %	
Total sulphur			Ave. value 0.11 %	
Color***			Grey**	

* Absorption % after 24 hrs submerged in water

** After 20 cycles

*** White grades (higher water absorption >10%) are available in 0.25-0.5, 0.5-1, 1-2, 2-4, 4-8 & 8-16 mm sizes.

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