



Data Sheet Extinguishing Agent and Fire Retardant *PyroBubbles®*

description/ parameter	unit	value/ factor / classification
fire protection		
class of fire (EN 2)	–	A, B, D, F
category of building material (DIN 4102)	–	A1, non-combustible
chemical		
main component	–	silicon dioxide
chemical persistence	–	chemically resistant
organic components	–	non
pH scale	–	7 – 9
hygroscopic properties	–	hydrophobic
electrical		
electrical conductivity	–	isolating
sorption capacity (electrolyte)	l/kg	> 2,5
physical		
Noise Reduction Coefficient (NRC)	–	0,635
Mohs'hardness (scale 1-10, 1 ≙ talc , 10 ≙ diamond)	–	3,5 – 4,0
compressive strength	N/mm ²	1,0 – 2,0
repose angle (DIN ISO 4324)	°	53
colour	–	white
odour signature	–	odourless
geometric shape	–	spherical
thermal		
thermal resistance	°C	< 1 050
thermal conductivity λ (20 °C)	W/(m·K)	0,075
specific heat capacity c _p (20 °C)	kJ/(kg·K)	0,7
granulation		
particle size (defined mixture)	mm	0,5 – 5,0
grain gross density	kg/m ³	380 – 520
bulk density	kg/m ³	235 ±10 %
porosity	%	85



Mentioned data represents typical values which show variation due to production.