



GENIUS GROUP

BATTERY & FIRE PROTECTION WITH PYROBUBBLES



Innovative Ideas for Fire Protection, Fire Prevention and Extinguishing

PyroBubbles®

The original and
patented extinguishing
agent from GENIUS



PyroBubbles® don't just contain the fire, PyroBubbles® extinguish it!

The patented fire protection agent PyroBubbles® from GENIUS is suitable for lithium-ion batteries, liquids, metal fires, building fire protection, cable ducts and other flammable materials of all kinds. The PyroBubbles® have proven their performance in many fire tests and laboratory tests and are among the best extinguishing agents for fighting fires involving hazardous goods (see 1st place in "Land of Ideas").

CONVINCING FEATURES

- Approx. 8 - 10 times lighter than sand and floats (approx. 235 kg/m³).
- Filtering and binding of electrolytes, gases and liquids (BAM tested).
- Low thermal conductivity and electrically insulating.
- Permanent thermal and chemical resistance up to 1050°C.
- Specific heat capacity of only 0.7 kJ/(kg*K), porosity of 85%.
- Condensation of escaping vapors through the GENIUS PyroBubbles®.
- No further damage from extinguishing water. Non-flammable building material (A1, DIN 4102, EN 13501).
- Protection of the battery or module against vibration through fixation.
- Available as bulk material and in various cushions.
- Not hazardous to health, maintenance-free and reusable.
- Certified extinguishing agent in fire protection classes A, B, D, F for lithium-ion batteries, liquids, building fire protection and any flammable substances such as petrol, magnesium, metal and cable fires.
- PyroBubbles® are used where water or other extinguishing or other extinguishing agents are not effective enough or cause major extinguishing damage.



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PyroBubbles® by GENIUS



Now available in dust-free fabric cushions and in various sizes from stock!

Dust-free, adjustable filling level, extremely stable material, with Velcro fastener, breathable and weather-resistant.

Item number:	Product:	approx. external dimensions mm (LxWxH)	Unit:	Content:
11 - PyroBubbles® - Filling				
1101	Fire retardants PyroBubbles® Premium	780 x 550 x 130	1 Bag	12,5 kg (approx. 50 liters)
1102	Fire retardants PyroBubbles® Premium	1020 x 850 x 1200	1 BigBag	250 kg (approx. 1000 liters)
1104	Fire retardants PyroBubbles® Pure-M	780 x 550 x 130	1 Bag	12,5 kg (approx. 50 liters)
1105	Fire retardants PyroBubbles® Pure-M	1020 x 850 x 1200	1 BigBag	250 kg (approx. 1000 liters)
12 - PyroBubbles® - Cushion				
1216	PyroBubbles® Cushion PE-S, Pure-M	225 x 145 x 20	PU 50 pcs.	approx. 9 kg / PU (1 PE-S = 0,18kg = 0,7 liters)
1217	PyroBubbles® Cushion PE-M, Pure-M	404 x 371 x 52	PU 5 pcs.	approx. 10 kg / PU (1 PE-M = 2,0 kg = 8 liters)
1220	PyroBubbles® Cushion PP-S (dust-free), Pure-M	300 x 220 x 55	PU 16 pcs.	approx. 12,5 kg / PU (1 PP-S = 0,78 kg = 3 liters)
1221	PyroBubbles® Cushion PP-M (dust-free), Pure-M	500 x 300 x 70	PU 4 pcs.	approx. 9,2 kg / PU (1 PP-M = 2,3 kg = 9 liters)
1222	PyroBubbles® Cushion PP-L (dust-free), Pure-M	600 x 350 x 100	PU 2 pcs.	approx. 10,6 kg / PU (1 PP-L = 5,3 kg = 21 liters)
1223	PyroBubbles® Cushion PP-XL (dust-free), Pure-M	810 x 550 x 110	1 pcs.	1 PP-XL = 12,5 kg = 50 liters

*approx.value



PyroBubbles® can be transported in silos up to 60 m³ without any problem. Whenever you want, where you want, how much you want.
!!! Ask for individual price!!!