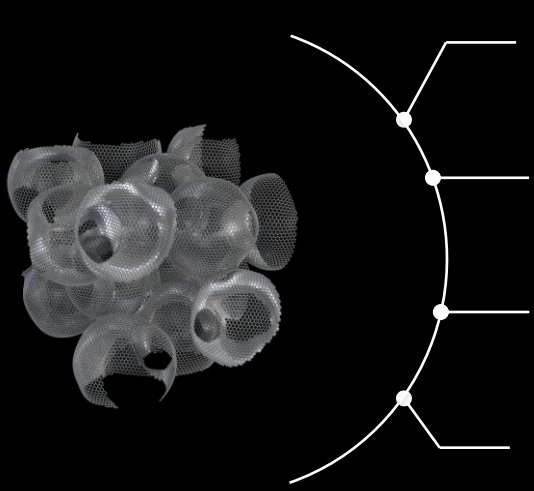


Graphene MesoSponge® (GMS)

Graphene MesoSponge® (GMS) is a new class of nano-architected carbon material with precisely controllable structures. 3DC can tailor multiple properties at the nano-scale, enabling performance optimization across a wide range of applications.

Nano-scale structural tuning is widely recognized as a key driver for maximizing the potential of advanced devices and equipment. GMS has already attracted strong interest in its ability to significantly enhance application performance.



- Number of layers**
– You can choose how many layers of graphene are stacked (i.e., two layers or four layers)
- Shape and structure**
– You can choose the shape and structure (i.e., high-ordered network or bulky aggregates)
- Size of pores**
– You can choose the size of the particle diameter (i.e., 10 nanometers or 1 micrometer)
- Reversible elasticity**
– You can choose the volume of elastic changes (i.e., 6mL/g under 10MPa)

Product and specs

Series	BE							BA	BK
Product	BE-2	BE-10	BE-3	BE-4	BE-5	BE-6	BE-11	BA-1	BK-2
Image									
Bulk Density [g/mL]	0.03	0.03	0.04	0.07	0.03	0.10	0.03	0.12	0.04
Pore diameter [nm]	10	25	45	20	25	80	26	7	10
Pore volume [cc/g]	2.0	2.5	2.5	3.0	3.0	5.0	2.0	3.2	2.5
SSA [m2/g]	900	700	600	850	800	600	550	1,850	1,150
OAN [mL/100g]	2,600	2,300	2,000	1,000	1,400	1,300	2,150	440	490