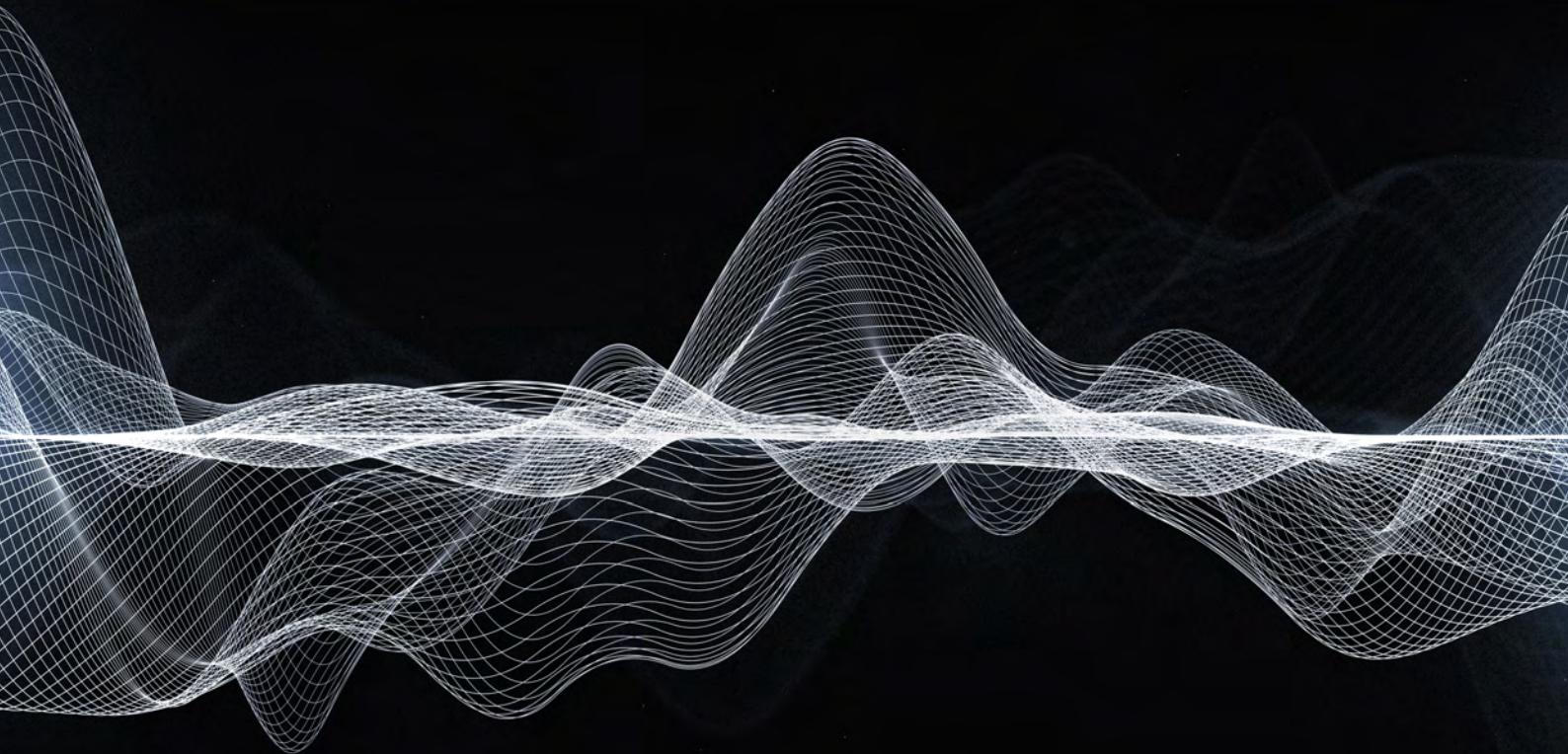


Pure Graphene Sound born in MExplorer



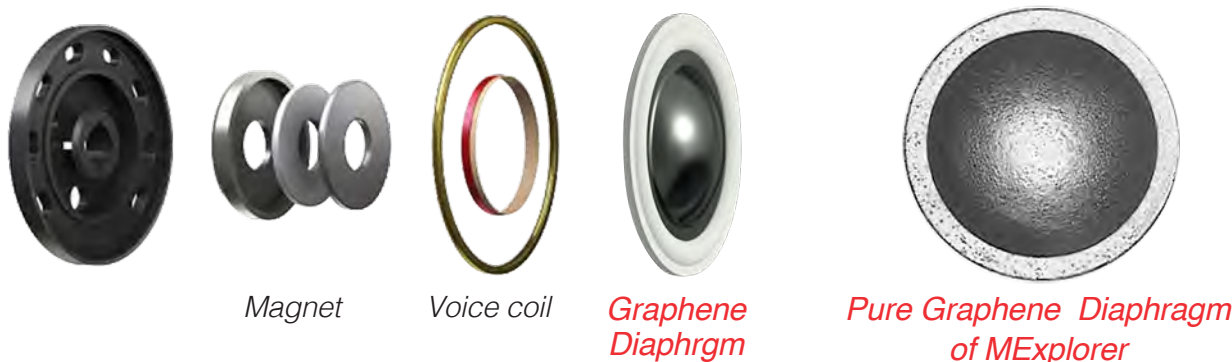
**Pure
Graphene Diaphragm**

*Graphene &
Its applications*

MEXPLORER®

通过纯石墨烯振膜实现的 无线耳机的音质革命

Pure Graphene Diaphragm born in MExplorer revolutionizes Sound of True Wireless Stereo (TWS).



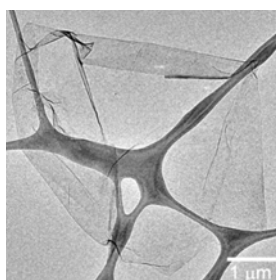
IMExplorer纯石墨烯振膜的创新特性

- ✓ 金属水平的拉伸弹性率
(15 - 20 GPa at 1 Hz)
- ✓ 塑料水平的低比重
(1.50 - 1.55)
- ✓ 最高损耗系数
(0.08 - 0.1 at 1 Hz)

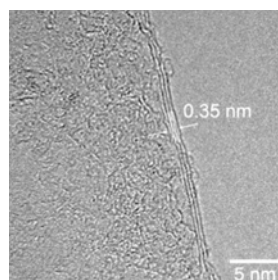


**MExplorer的纯石墨烯振膜自
2022年起用于全球无线耳机产品。**

与现有将石墨烯涂覆在塑料薄膜上的产品同，MExplorer石墨烯振膜是采用MExplorer专有术制造的高品质单晶纯石墨烯振膜产品。



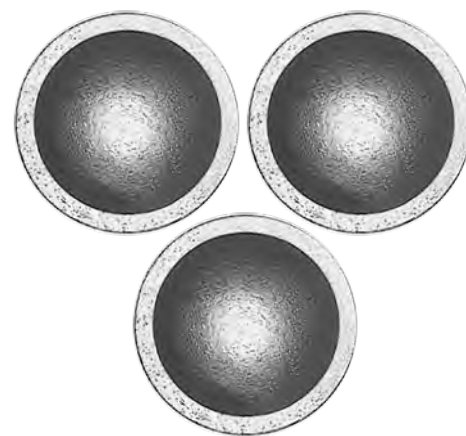
MExplorer石墨烯



MExplorer石墨烯碳层



MExplorer单晶石墨烯



获得2022年欧洲音响设备评估机构的最高音质奖

MÜLLER-BBM
VibroAkustik Systeme

intertek
Total Quality. Assured.

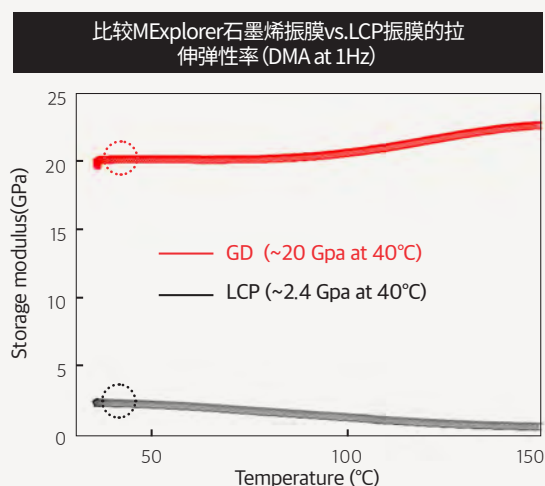
hclab
high tech & computing lab

区分	比重	拉伸弹性率(GPa)	损耗系数(Tangent loss)
Ti	3.42	34	0.005
Al38	2.28	87	0.004
Mg	1.38	20	0.003
Graphene Diaphragm (MExplorer)	1.50 - 1.55	15 - 20	0.08 - 0.1
LCP	1.4	1-2	0.08 - 0.09
NOMEX	0.7	-	0.016
PEEK	1.33	4.2	0.007

MExplorer纯石墨烯振膜的创新特性, 实现无线耳机最高音质

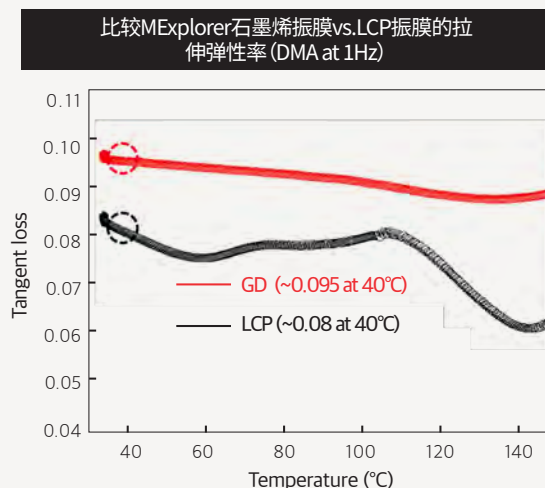
MExplorer石墨烯振膜, 拉伸弹性率是无线耳机高端振膜LCP (液晶聚合物) 的8倍以上

- ✓ 中高音频段优秀的音源扩展
- ✓ 卓越的中高音频段高分辨率音质
- ✓ 播放充满活力和空间感的中高音带音源



具有最高损耗系数的MExplorer石墨烯振动板

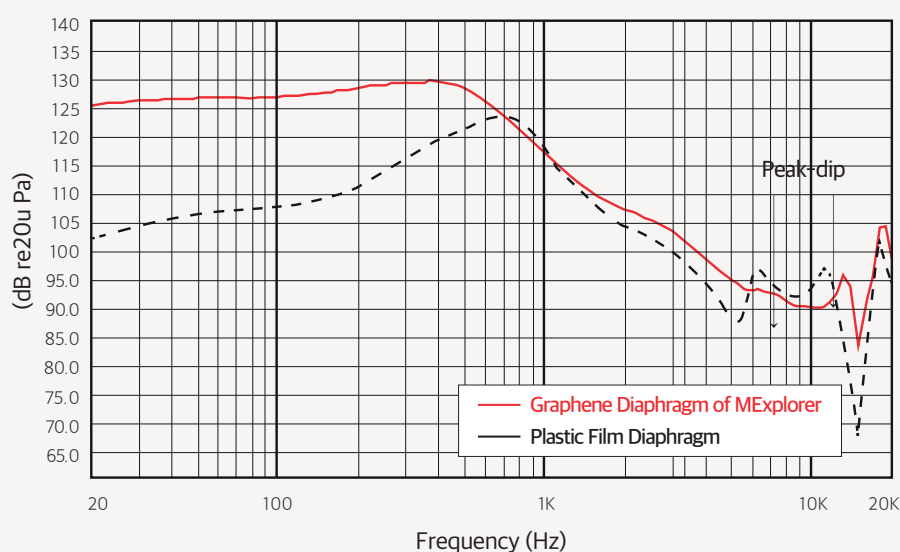
- ✓ 通过最高级别的损耗系数实现复合声源的语音分离
- ✓ 清晰干净的MExplorer石墨烯振膜独特的高清晰度音色和音质
- ✓ 播放丰富而稳定的低音频段音源
- ✓ 播放动态高密度低音频段音源



MExplorer

纯石墨烯振膜无线耳机的 动态驱动器带来创新音质

Frequency Response [SoundCheck, GRAS 43AA Ear Simulator, 0.22V(3mw)]



Graphene
Diaphragm

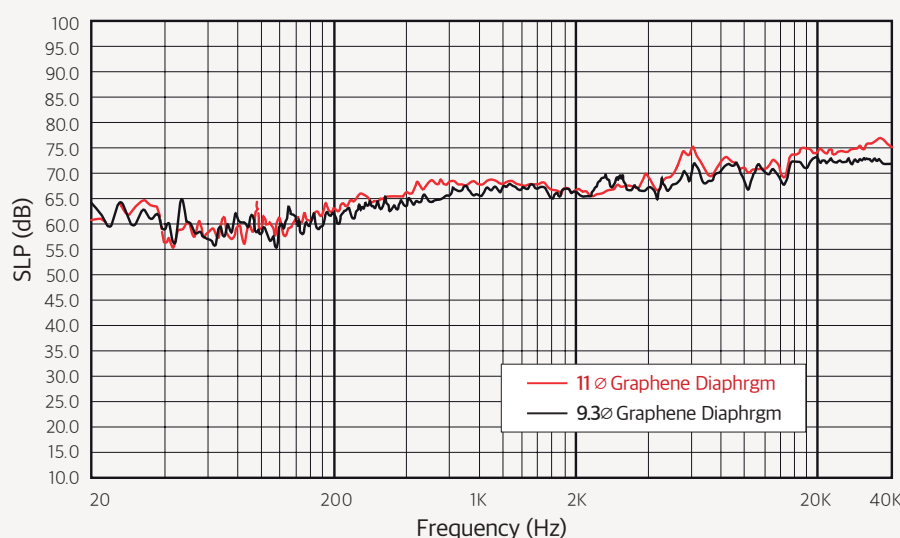
Elastomer



Plastic film
Diaphragm



Free Field [ETANI S265, 1/4 Mic, 0.1m]



Graphene
Diaphragm

Elastomer

