

## **SOUND MATTERS**AS MUCH AS DEVICE DESIGN

Consumers are expecting more from their electronic devices: greater functionality, lighter design, seamless connectivity, reliable performance and enhanced user experience.

Smartphones are a good example of the rising expectations. These handheld devices are expected to serve multiple purposes from voice and video communication to playing music and games, taking photos, even making movies.

Acoustic performance is not an exception. People demand consistent sound quality everywhere and always. No excuses accepted.



## **APTIV™ FILM:**

## PROVEN SOLUTION FOR THE MICRO SPEAKER INDUSTRY

APTIV Film technology provides superior sound performance, reliablity and durability in the most demanding environments where the sub micron matters, such as smart phones and smaller devices.

APTIV Films have proven success in providing the benefits of high-performance PEEK polymers in a thin format for various electronics application including micro-speaker diaphragms.





# BENEFITS OF APPLYING APTIV FILMS

### TO YOUR SPEAKER DESIGN



#### **RELIABILITY**

Proven resistance to a broad range of chemicals, along with excellent wear and fatigue resistance, low moisture absorption, and excellent hydrolysis resistance.



#### **PERFORMANCE**

Thickness consistency at the sub-micron level enables acoustic performance and robust reliability in space constraint environment, such as portable devices.



#### **DESIGN BENEFITS**

APTIV Films can be processed using all necessary downstream processing techniques without limitation, including thermoforming, adhesion, printing, metallization, thermal lamination (adhesive-less), electroplating and laser welding & cutting.



The latest APTIV DBX Films were the results of our commitment to continuous improvement with tighter thickness torelerance, to help you:

► Achieve a more reproducible F0 whilst minimising THD

Reach higher yields, fewer defects and lower costs

► Ensure your design vision can be realized

We believe APTIV Films, one of the highest performing thermoplastic films, together with our 40+ years of expertise, could help bring your vision to life and contribute to delivering the future of speaker design with confidence.

Making waves.





# Contact us at electronics@victrex.com and discover how we can collaborate to make your vision a reality

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#### About Victrex

Victrex is an innovative world leader in high performance polymer solutions, focused on the strategic markets of automotive, aerospace, energy (including manufacturing & engineering), electronics and medical. Every day, millions of people use products and applications, which contain our materials – from smart phones, aeroplanes and cars to oil and gas operations and medical devices. With over 40 years' experience, we develop world leading solutions in PEEK and PAEK-based polymers, semi-finished and finished parts which shape future performance for our customers and our markets, and drive value for our shareholders. Find out more at www.victrex.com

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