**Unceasing Innovation: Tailored to Complete the Missing Link**

Most of the items running our life nowadays are complex systems, albeit they look simple. For example, since the year 1908 when Model T became accessible to the masses, the number of the parts in a single car has been increased drastically - most of the cars in these days have about 30,000 parts, counting every part down to screws. On the other hand, we often barely recognize the standing of these parts in our everyday life because they work behind the scene.

Separators are such components, generally being unseen to the consumers but a crucial building block of modern batteries. In an electrochemical cell like batteries, separators function as a permeable membrane that facilitates transport of ionic charge carriers while preventing electrical short circuit between two electrodes. Thus, separators are central to batteries, affecting their performance including power densities and cycle life, significantly.

We, Microporous LLC., have been positioned as one of the leading companies in battery separator business. For instance, during the last several decades, we have firmly established our reputation for innovations in separator technologies, offering broad library of high-performance battery separators to the customers worldwide. Our separators have demonstrated their preeminence in an extensive range of applications including stationary, motive, and automotive.

We also know that what customers want from us is not one-dimensional but multilayered, fulfilling a wide-ranging spectrum of requirements which would be very specific for each customer. In order to echo these voices more effectively, we have exerted ourselves during last few years to re-define our separator product lines more systematically.

For instance, DuroForce® Ultra has been known as one of our PE separator product lines providing excellent oxidation resistance and low black residue for automotive applications, but after we successfully introduced our CellForce® ULR to the automotive battery market in 2020, DuroForce® Ultra has been re-positioned as our basic PE-based separator line. These changes in product positioning took place because our development of CellForce® ULR enabled enhanced antimony suppression and oxidation resistance above those of DuroForce® Ultra.

Here we announce the development of CellForce® HT, our most state-of-the-art product in Microporous’ automotive battery separator lineup. Our new CellForce® HT is the proud outcome of our R&D team, combining continuous effort toward innovation and systematic investigation to synergize separator design, materials properties, and production engineering. Outstanding performance of CellForce® HT, including synergistic effects of superb oxidation resistance, highly-enhanced antimony suppression, and ultra-low electrical resistance, will make it to be positioned as a top-notch separator for automotive battery market including the OE batteries.

With more than 10% performance improvement vs. CellForce® ULR, we believe that CellForce® HT will not only complete our automotive market segment, comprising DuroForce® Ultra (conventional) - CellForce® Ultra (high-grade) - CellForce® HT (premium), but also realize our ability to provide the optimal solutions to battery industries, which would be precisely tailored to the specific needs of each customer.