



VICTREX LMPAEK™ POLYMERS

Enhanced Processing, Stronger Parts, and Faster Production

LMPAEK™ Polymers, the newest addition to the renowned PAEK family engineered by Victrex. Crafted with precision at a molecular level, Victrex has tailored these polymers to offer enhanced processing capabilities, providing manufacturers with greater flexibility in processes like thermoplastic composites and additive manufacturing. Retaining the impressive traits of PEEK, including exceptional mechanical strength, tribological performance, and resistance to high temperatures and chemicals, LMPAEK™ polymers unlock the potential for faster manufacturing and fabrication of stronger parts using most common manufacturing systems.

Discover the advantages of LMPAEK™ Polymer

► Lower Processing Temperatures

LMPAEK™ Polymer offers enhanced processing capabilities compared to PEEK, allowing for more efficient production.

► Optimised Crystallisation Rate

Designed for gradual crystallisation, LMPAEK™ Polymer excels in both advanced composite manufacturing and additive manufacturing applications.

► Ideal for Composite and Additive Manufacturing

The controlled crystallisation of LMPAEK™ Polymer enhances material performance in composite layups and 3D printing, offering greater precision and consistency compared to PEEK.

LMPAEK™ Granules

LMPAEK™ Polymer 101 GRA Low viscosity granule

LMPAEK™ Polymer 103 GRA Medium viscosity granule

LMPAEK™ Powders

LMPAEK™ Polymer 101 PWD Low viscosity course powder

LMPAEK™ Polymer 103 PWD Medium viscosity course powder



Lower Melting

LMPAEK™ polymers melt 40°C lower than VICTREX™ PEEK leading to lower processing costs and less energy consumption



Ease of Processing

The wider processing window enables manufacturers to work with a broader range of temperatures without compromising the material's mechanical properties or performance.

As a result, LMPAEK™ polymers offer improved flexibility in manufacturing, making them ideal for complex designs and precision applications



Redefining Advanced Manufacturing

LMPAEK™ polymers advance composite and additive manufacturing by offering high performance, easy processability, and design versatility, driving innovation across industries like aerospace and automotive

Find out more at [victrex.com](https://www.victrex.com)

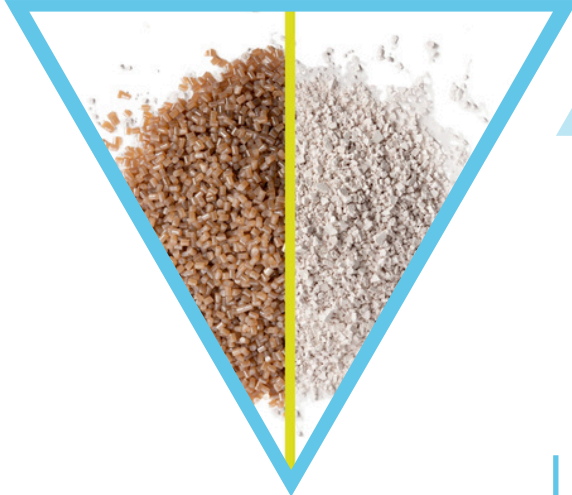
We bring transformational & sustainable solutions that address world material challenges everyday

#1
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BY VICTREX

LMPAEK™ POLYMER

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