

Market applications of bio-based furan materials

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With the rapid development of bio-based furan materials in the past two years, the production capacity of 2, 5-furandicarboxylic acid(FDCA), which is the representative monomer of furans, has gradually expanded to kiloton level. Meanwhile, other valuable furans new monomers like 2,5-Bis(aminomethyl)furan(BAMF) have been constantly discovered, developed and applied in varied scenarios. Currently, the commercialization of furans materials is still facing with two main issues: high cost and early ice-breaking market with uncertain application. Under the precondition that the cost for furans materials is still much higher than that of petroleum-based products, it is essential to focus on the niche & high-value added applications. This presentation will present GS Biomats' recent progress on each main applications, such as high-performance aramid fiber, bio-based polyester packaging & fiber, high-performance adhesive, and bio-based surfactants, with each property performance, market acceptance etc. Meanwhile, a brief overview of GS Biomats will be included.