

DSM ICD Fibre-based Functional Materials dedicates to the development and application of a high performance fiber material - TREVO®

TREVO® is a new ultra-high-molecular-weight polyethylene (UHMWPE) fiber developed by DSM ICD. Under the brand name TREVO®, this fiber has the unique properties of high strength, high modulus, lightweight and high resistance to abrasion and chemical corrosion. This makes it the ideal material for a wide range of industrial products. Integrating TREVO's advantages with downstream products, TREVO® significantly enhances the products' performance and durability and improves production efficiency and safety. It becomes a benchmark of ultra-high performance fiber where existing chemical fibers cannot meet.

Now TREVO® has been successfully used in many industrial areas, such as ballistic and stab-resistant body armor and vehicle armor, mooring rope for oil and LNG tanker, sling for offshore oil platform, and cage net for deep sea aqua-farming. Having proved its high performance in traditional industries, DSM ICD continuously develops TREVO® in new applications and areas in which it shows a great potential. TREVO® ultra high modulus fibre provides high protection for optic cable and saves the layout space; it increases construction foundation tenacity and extends the lifetime of bridge and road; it makes yacht and boat lightweight and hence more fuel efficient, saves energy and increases speed. TREVO® has become the default and the best choice for many industrial applications.

DSM ICD has been ahead of the industry in HMPE fiber material innovation and application development. We have the leading manufacture and technique capabilities, while also collaborate with industrial partners to explore new application opportunities, and develop fiber based materials solutions suited for downstream products, therefore meet the continuously changing market demands and consumer needs in a sustainable way.