

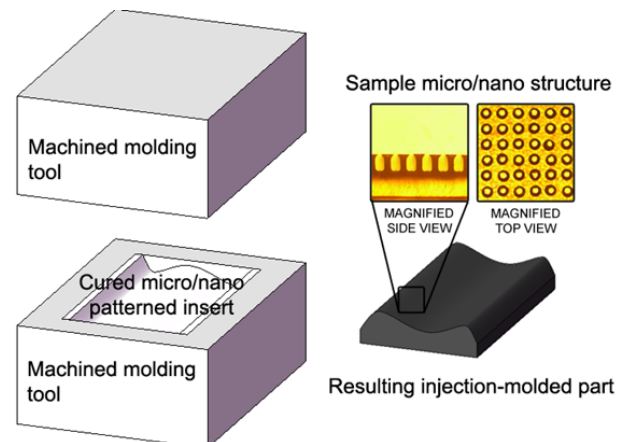
Setex XG

Setex XG is a high friction microfiber surface inspired by the microscopic hairs, or *setae*, of a gecko's foot that can be incorporated onto apparel or injection molded parts.

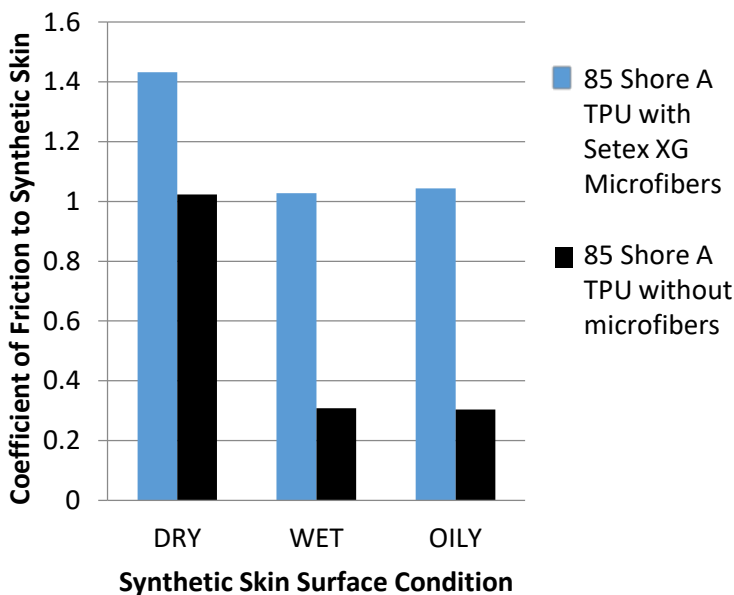
Features

- Retains around 60-70% of the original friction in wet and oily conditions. Competing materials can lose 90% of their friction when exposed to wet/oily conditions
- Can be produced from a range of materials
- Customizable
- Dry and residue-free
- Comfort
- Low profile
- Conformable

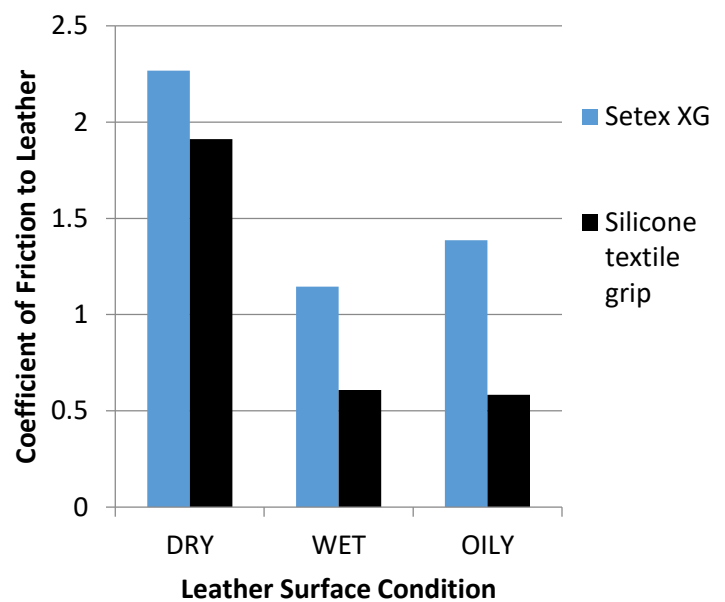
Product Profile



Setex XG for Injection Molded Parts



Setex XG for Apparel





Setex XG

Guidelines and Recommendations

Can be provided in sheet form with a thermoplastic polyurethane backing for incorporation onto textiles for sporting apparel applications. This backing can be heat pressed or ironed onto a wide range of textiles.

Can be injection molded. nanoGriptech will treat the molding tool's surface so that the resulting molded part is produced with high friction microfibers on the surface, directly integrated and made out of the same material as the part. These microfiber molded parts, using customer plastics, gain a significant increase in the coefficient of friction, typically over 200% to skin in wet and oily conditions.

nanoGriptech has demonstrated the ability to mold its high friction Setex-XG microfibers out of a wide range of polymer chemistries and hardness including TPU, TPO, Nylons, PC/ABS, TPE, SEBS and silicones.