



VIRTUAL SEMINAR

Thursday, 31.3.2022 at 13:00

Composite materials for improving gear drive performance and low sticking surfaces.

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Precise characterisation of the material surfaces plays a crucial role in research and product development in many industrial areas. The surface energy is essential in determining the adhesion energy to other materials and Quasicrystals can offer an excellent compromise between high hardness and low adhesion energy for non-stick applications.

First, we describe the contact angle measurements of Quasicrystals in assessing the surface energy in ambient conditions, which leads us to coin a new word, “Surfenergy”.

Second, the preparation of low-adhesive polymer samples reinforced with Al-based quasicrystal powder and their mechanical properties will be specified.

The seminar will present the “Surfenergy” study of Quasicrystal in ambient conditions with a touch of composite materials based on polymer matrix reinforced with Quasicrystals.

Kindly invited.