

Development of Multifunctional Hybrid Coatings (Mechanically Resistant and Hydrophobic) Using Methyltrimethoxysilane–Diethoxydimethylsilane–Tetraethoxysilane Mixed Systems

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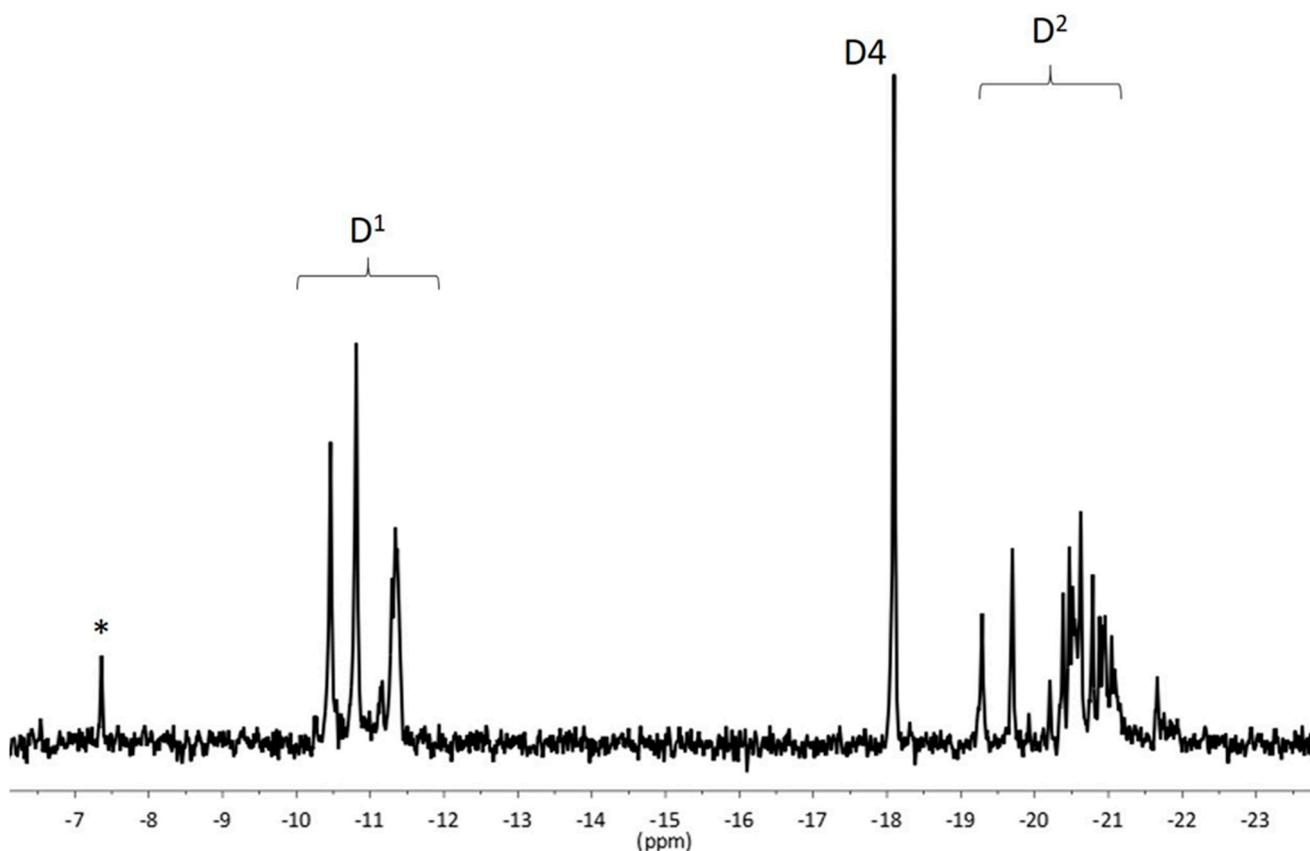


Figure S1. $^{29}\text{Si}\{^1\text{H}\}$ NMR spectra of precondensed DEDMS after 4 hours in acetic acid medium.

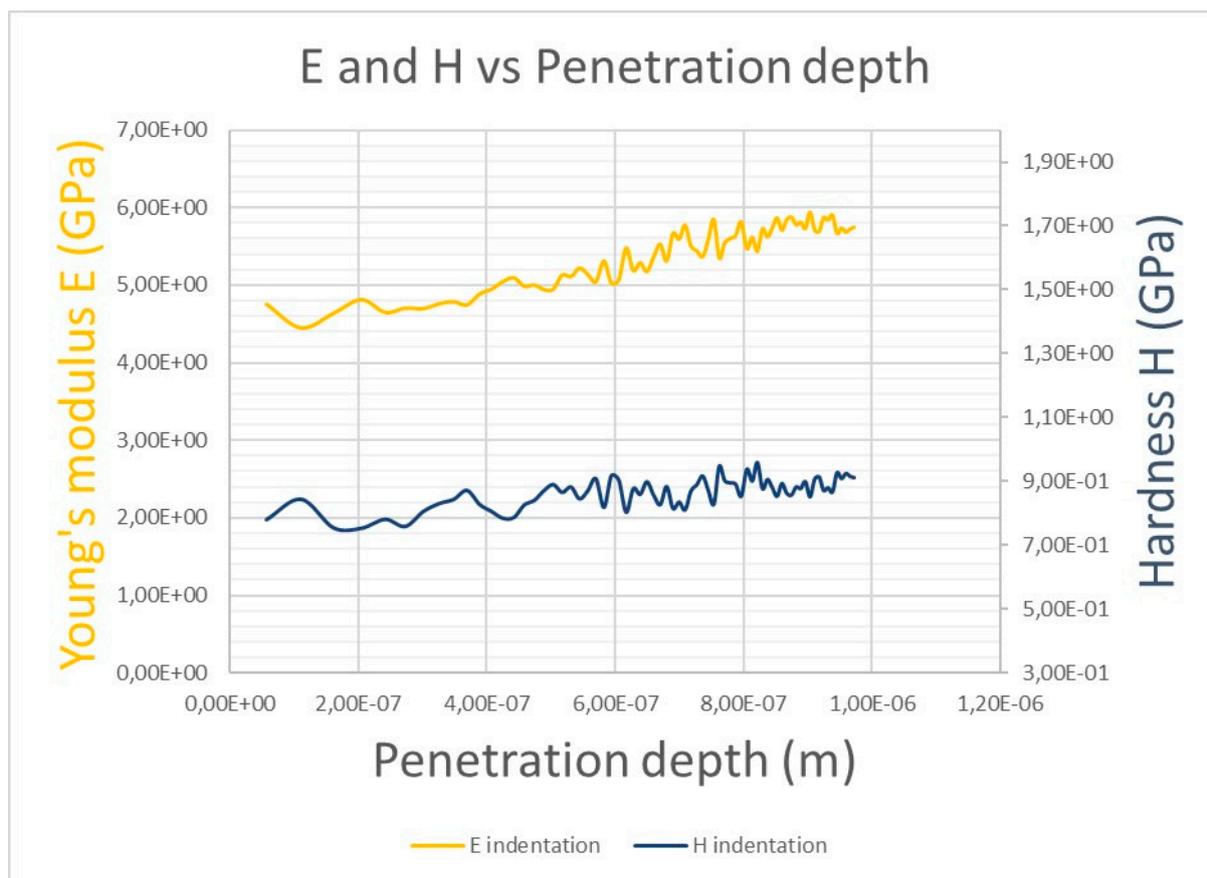


Figure S2. Young's modulus E and hardness H as a function of penetration depth, measured by sinus mode indentation (maximum normal force of 10 mN, loading and unloading rate of 20 mN·min⁻¹, sinus amplitude of 0.1 mN, sinus frequency of 12 Hz).

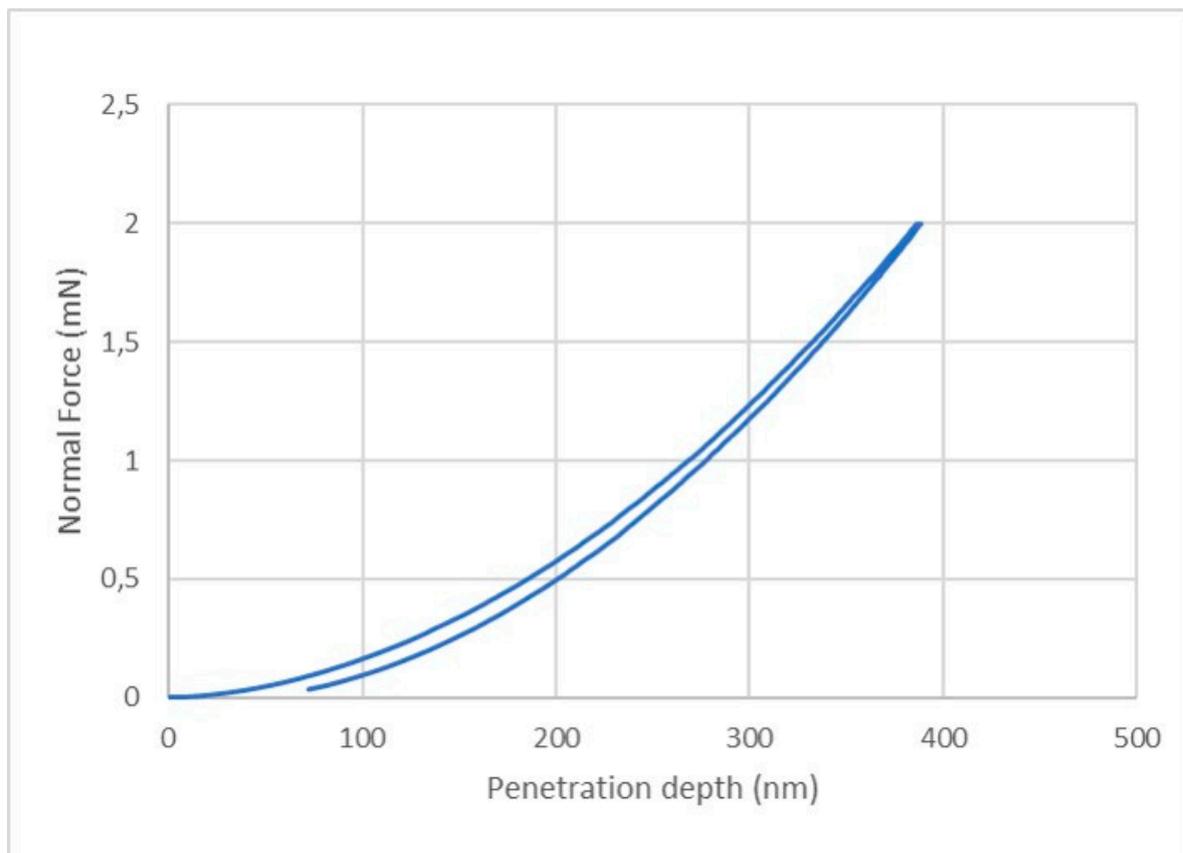


Figure S3. Normal load as a function of penetration depth during static nanoindentation test (maximum normal load of 2 mN, loading and unloading rate of $4 \text{ mN}\cdot\text{min}^{-1}$) measured for T-M100-pDEDMS sample.