

Figure S1: Water/toluene emulsion ($f = 0.5$) before (a) and after two hours at 50 °C (b)

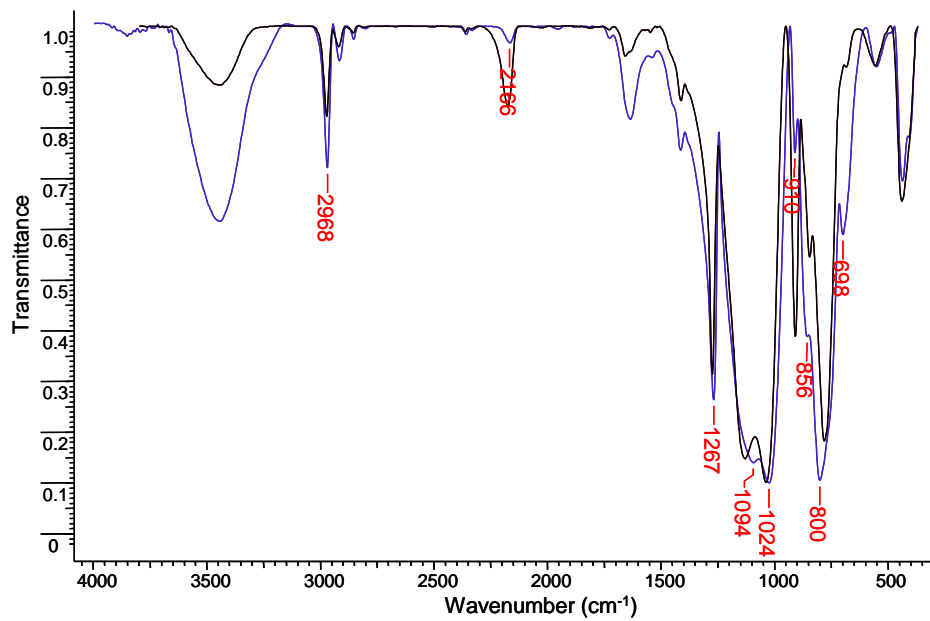


Figure S2: FT-IR spectra of DH44 (blue) and DH100 (black)

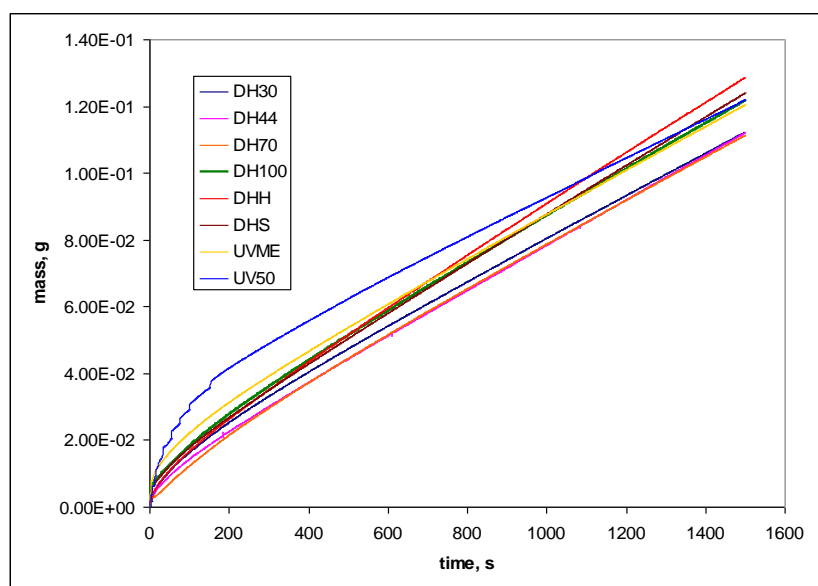


Figure S3: Hexane sorption isotherms

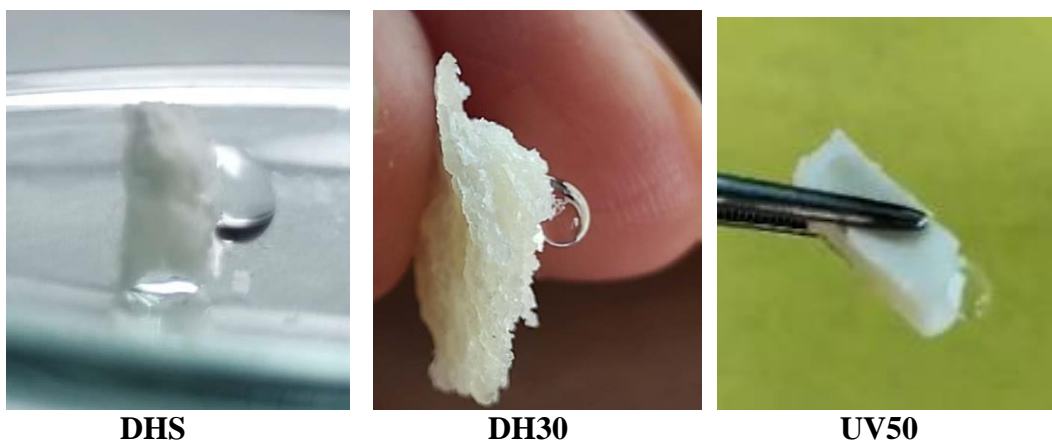


Figure S4: The petal effect on porous samples

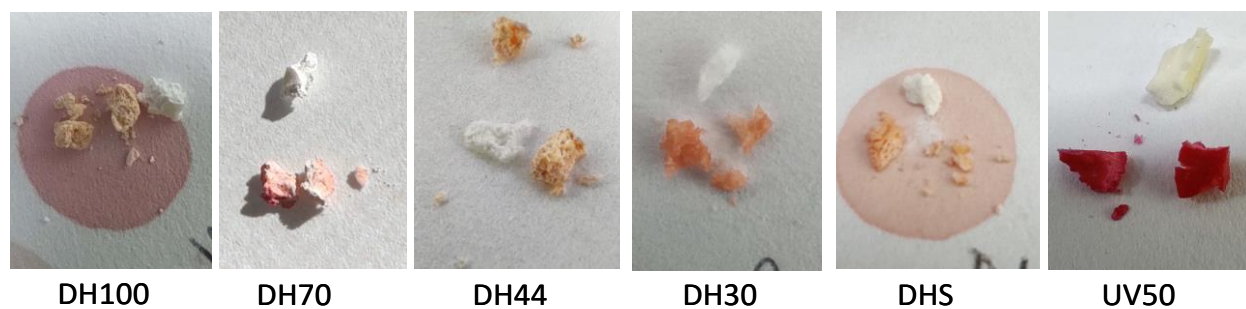


Figure S5: Samples stained with DR1 acetone solution (acetone is a non-solvent for the silicone materials): after a few minutes the inner surface of the samples is obviously colored, as compared with the non-stained pieces of material

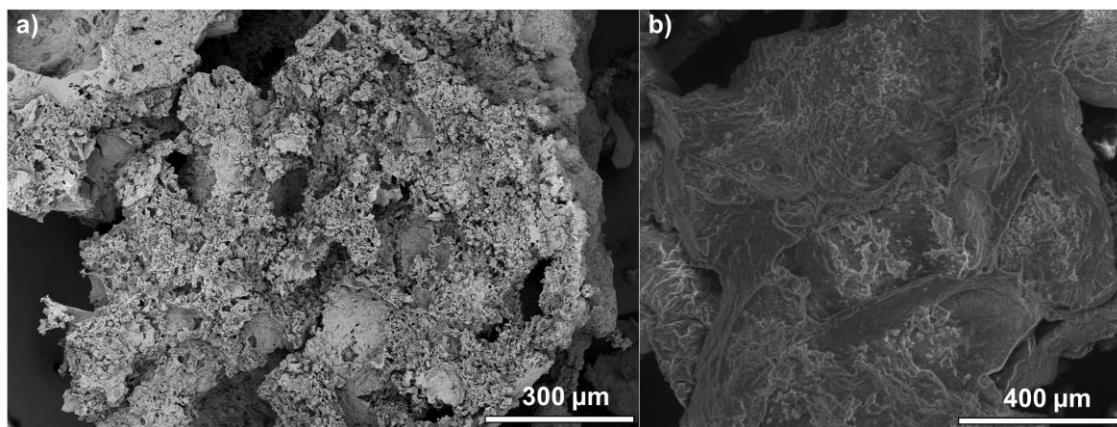


Figure S6: Comparison of large scale morphology of sample DH44 with lotus effect (a) and DH30 with petal effect (b).

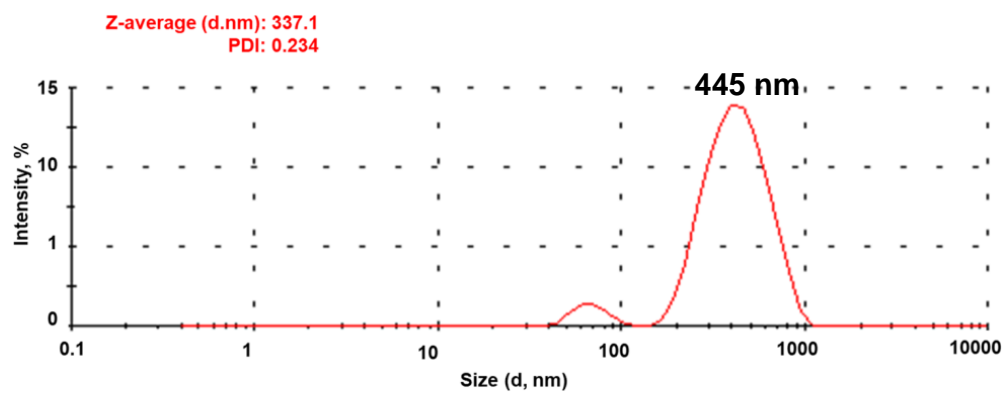


Figure S7: DLS analysis of the emulsion template (water in toluene, $f=0.5$)