

Supplementary Information

Highly-Stretchable and Rapid Self-Recoverable Cryogels Based on Butyl Rubber

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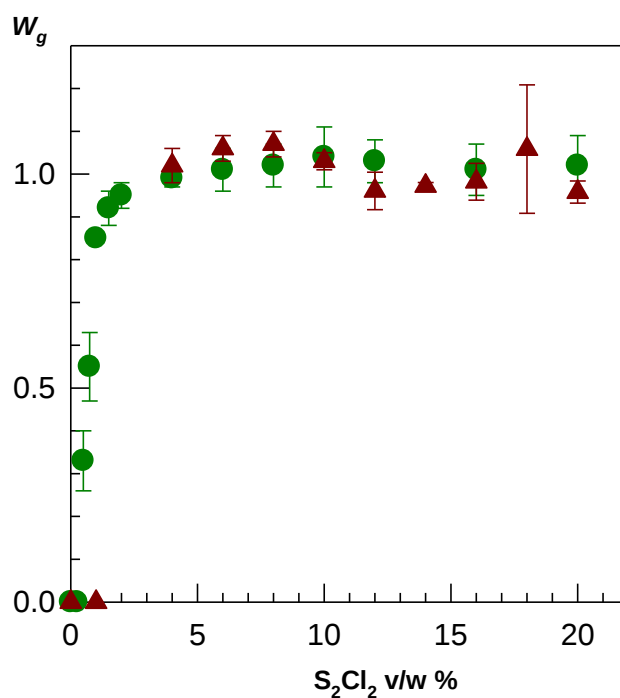


Figure S1. Gel fraction W_g of BR-B (circles) and BR-C (triangles) cryogels plotted against S_2Cl_2 concentration. BR = 5 w/v % and $T_{cry} = -18$ °C.

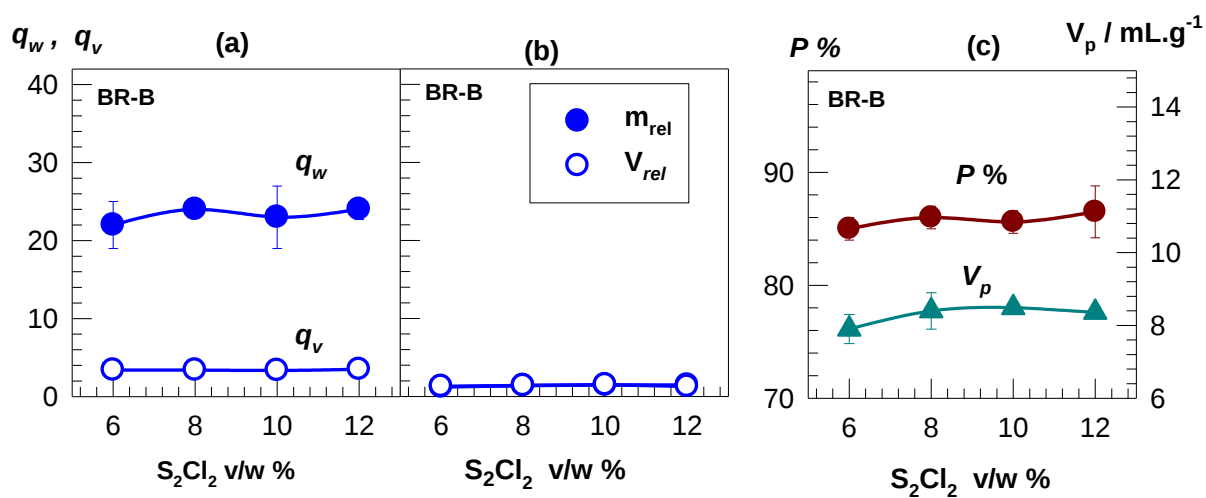


Figure S2. Weight and volume swelling ratios and porosities BR-B cryogels shown as a function of S_2Cl_2 concentrations. $T_{cry} = -18$ °C. BR = 5 w/v %.

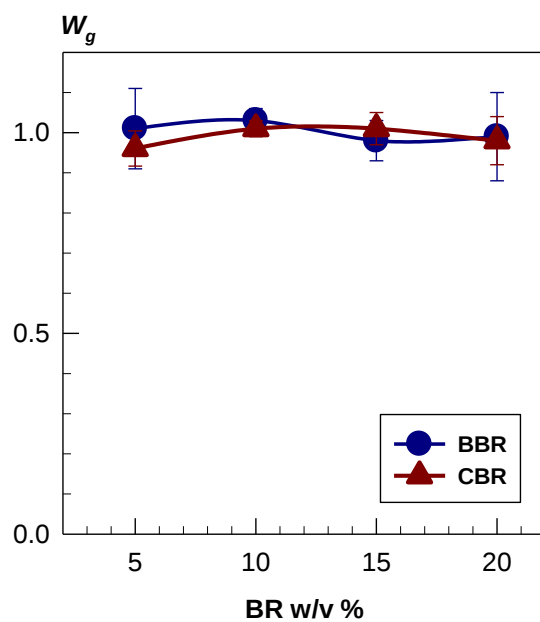


Figure S3. Gel fractions W_g of BR-B (circles) and BR-C cryogels (triangles) plotted against BR concentration. $T_{cry} = -18$ °C. $S_2Cl_2 = 10$ v/w %.

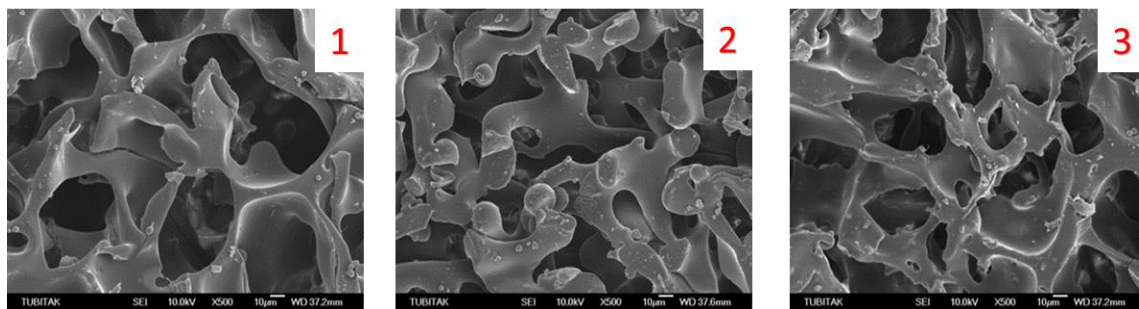


Figure S4. SEM images of BR-C synthesized at $S_2Cl_2 = 12$ (1), 18 (2) and 20 v/w % (3). BR = 5 w/v %. $T_{cry} = -18$ °C.