

Supplementary Materials

Strategies for Improving Sustainability in the Development of High-Performance Styrenic Block Copolymers by Developing Blends with Cellulose Derivatives

Erika Pajares ^{1,2}, Josu Fernández Maestu ¹, Irati Fernandez-de-Mendiola ^{1,3}, Unai Silvan ^{1,4}, Pedro Costa ⁵, Iker Agirrezabal-Telleria ², Carmen R. Tubio ^{1,*}, Sergio Corona-Galván ⁶ and Senentxu Lanceros-Mendez ^{1,4,5}

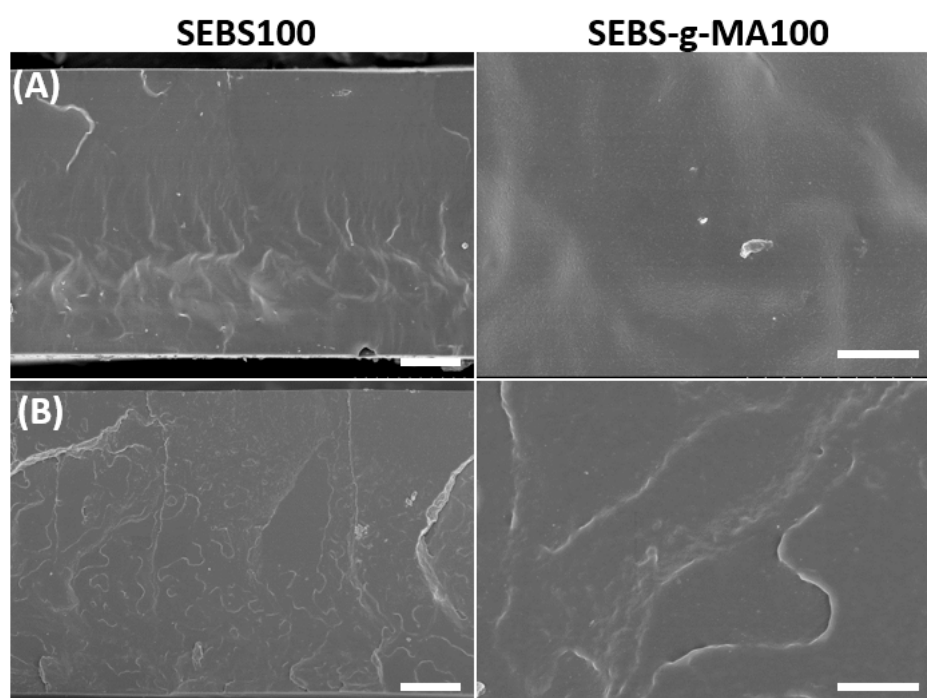


Figure S1. Cross-sectional SEM images of SEBS and SEBS-g-MA samples at low magnification (left, 30 μm scale bar) and high magnification (right, 5 μm scale bar).

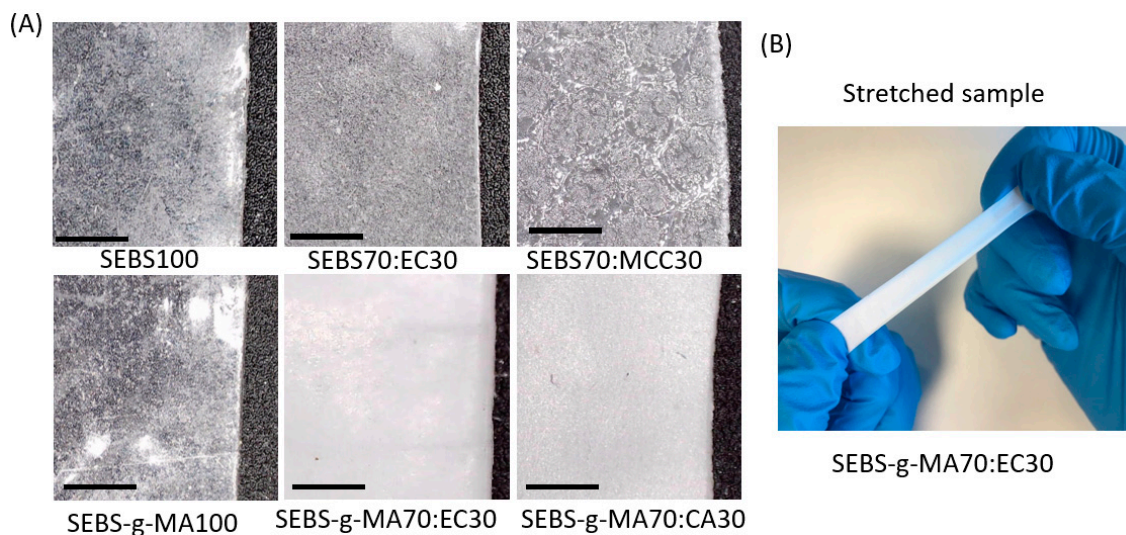


Figure S2. (A) Optical microscopy images for the SEBS and SEBS-g-MA based blend films with different cellulose derivatives. Scale bar: 500 μm . (B) Photograph of stretchable SEBS-g-MA70:EC30 blend film.

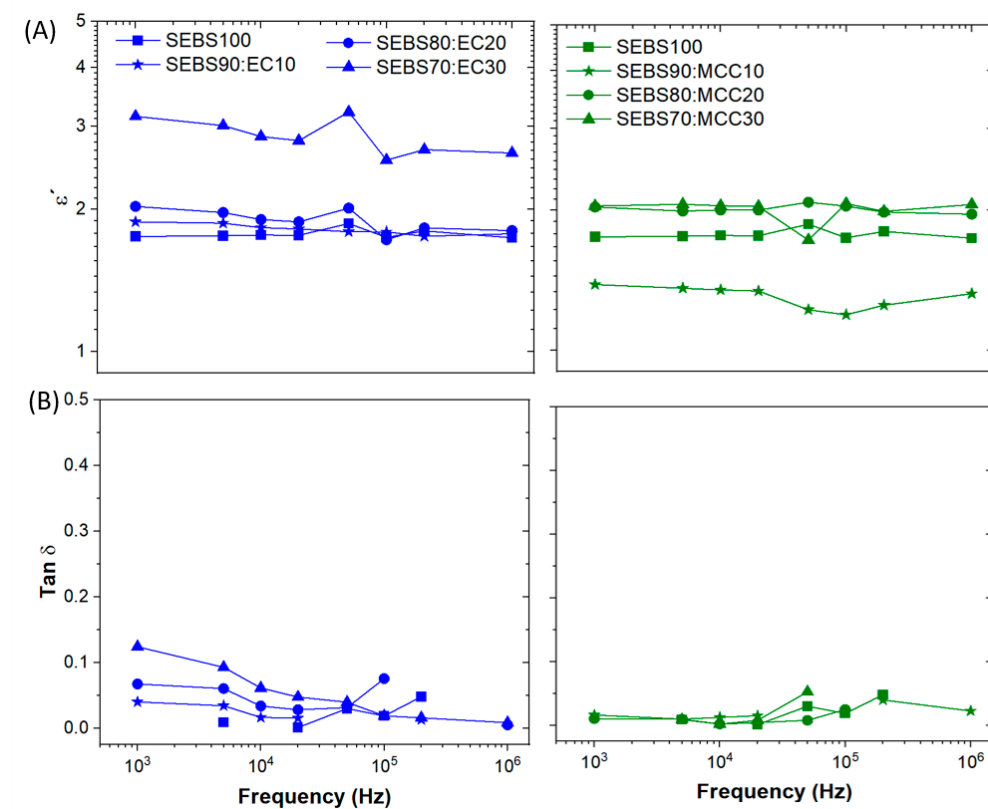


Figure S3. (A) Dielectric permittivity, and (B) dielectric loss as a function of frequency for SEBS based blends with EC and MCC fillers.

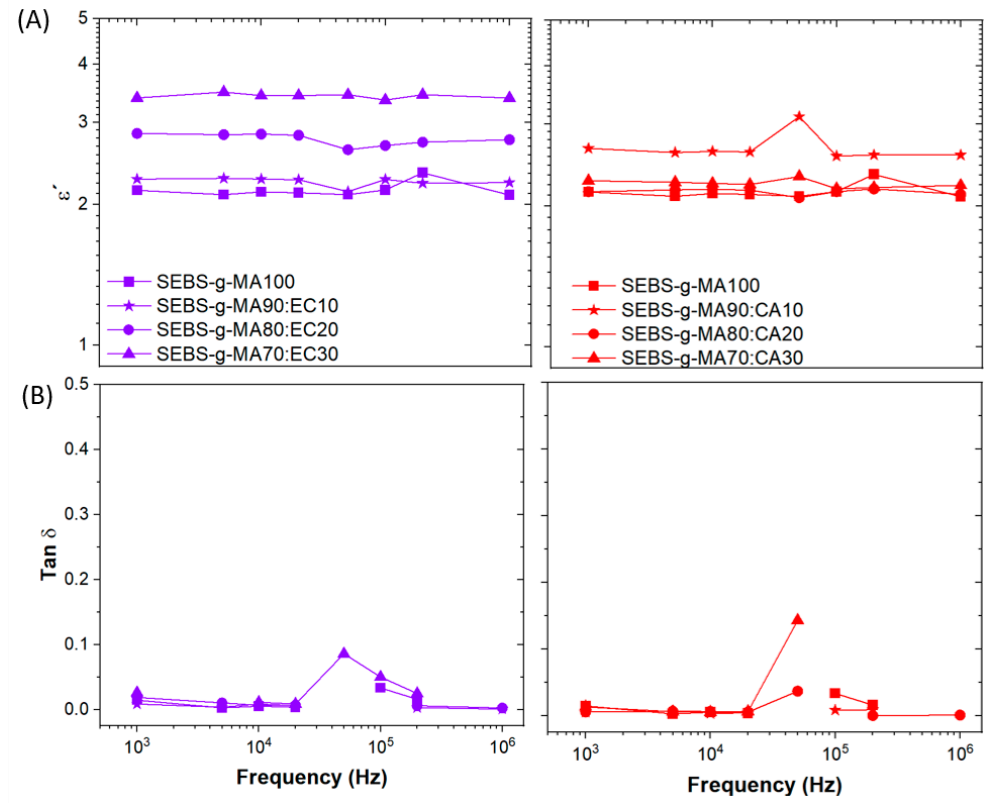


Figure S4. (A) Dielectric permittivity, and (B) dielectric loss as a function of frequency for SEBS-g-MA based blends with EC and CA fillers.