

Supplementary data

Stress-strain curves from the 3-point flexural tests of selected samples

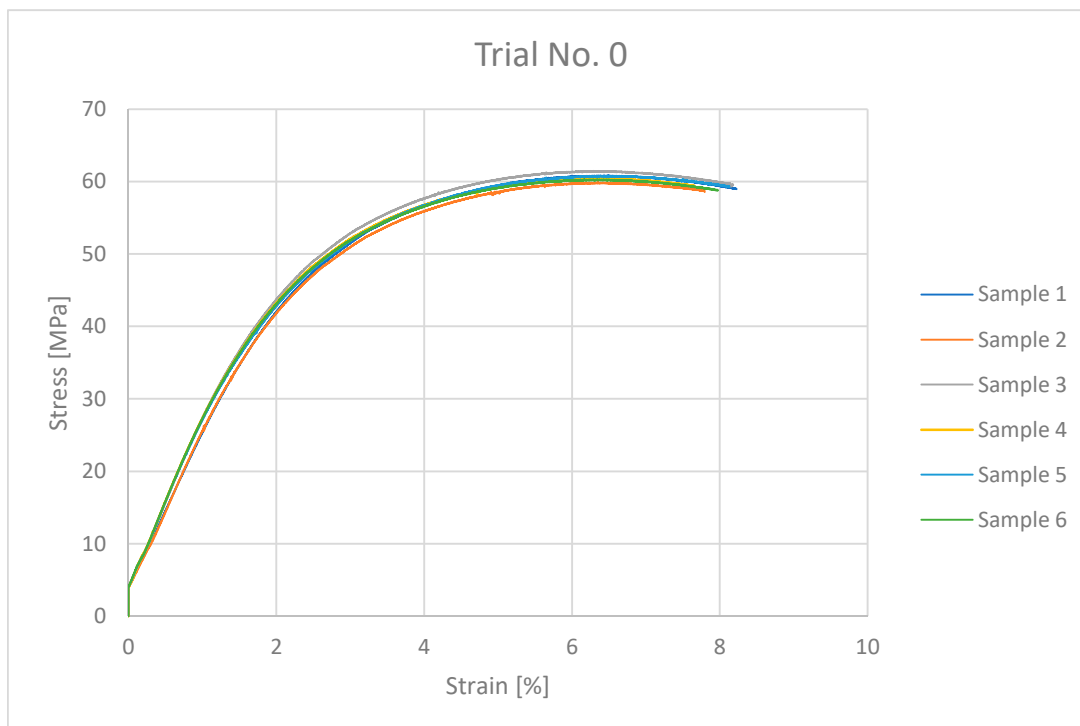


Figure S1. Stress-strain curves of the samples from Trial 0 → compact PP-cellulose, shot volume 114 cm³, gas content 0 wt%, no mold opening, injection speed 110 cm³/s

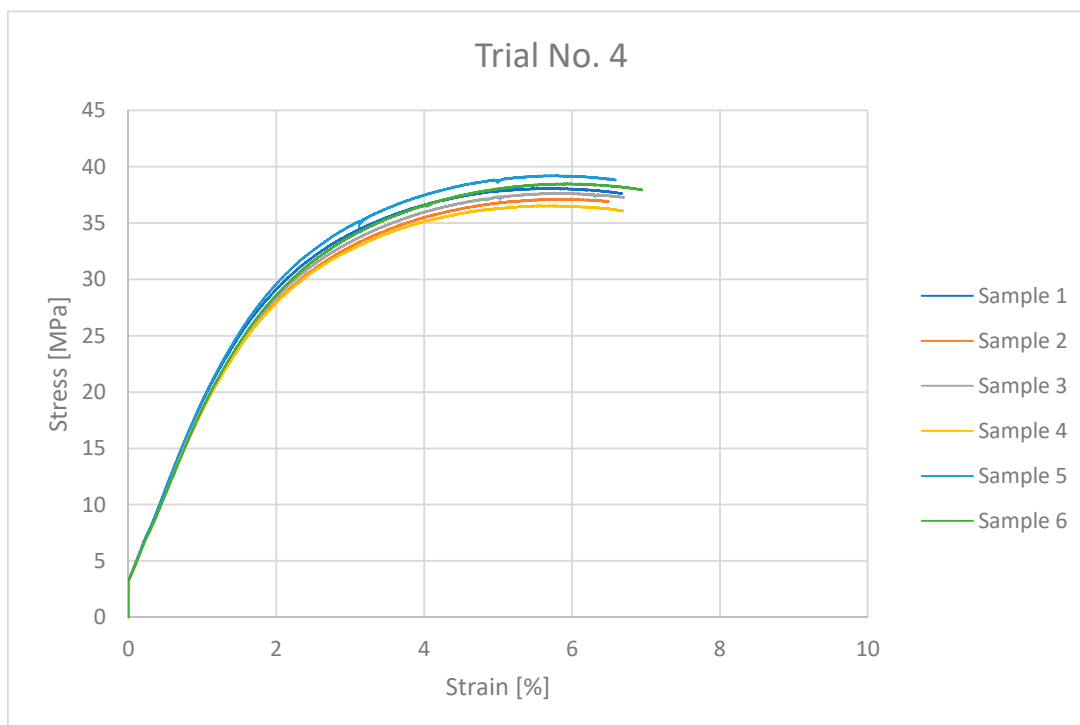


Figure S2. Stress-strain curves of the samples from Trial 4 → CO₂ foamed PP-cellulose, shot volume 100 cm³, gas content 1.2 wt%, mold opening 0.6 mm, injection speed 200 cm³/s

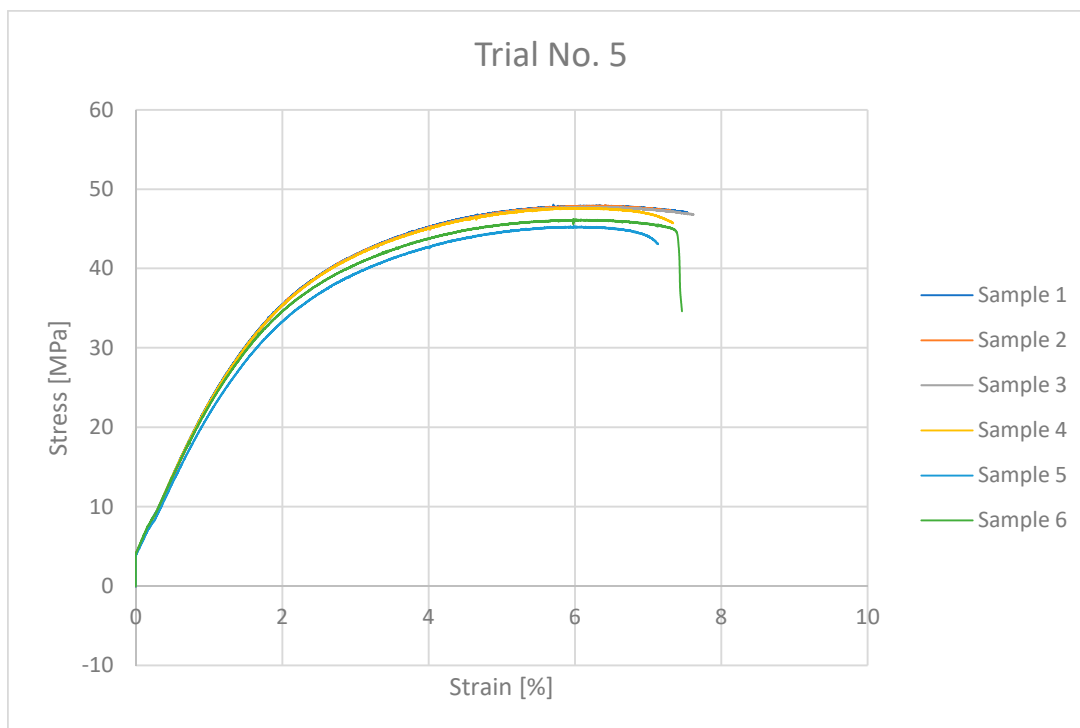


Figure S3. Stress-strain curves of the samples from Trial 5 → CO₂ foamed PP-cellulose, shot volume 95 cm³, gas content 1.6 wt%, no mold opening, injection speed 250 cm³/s

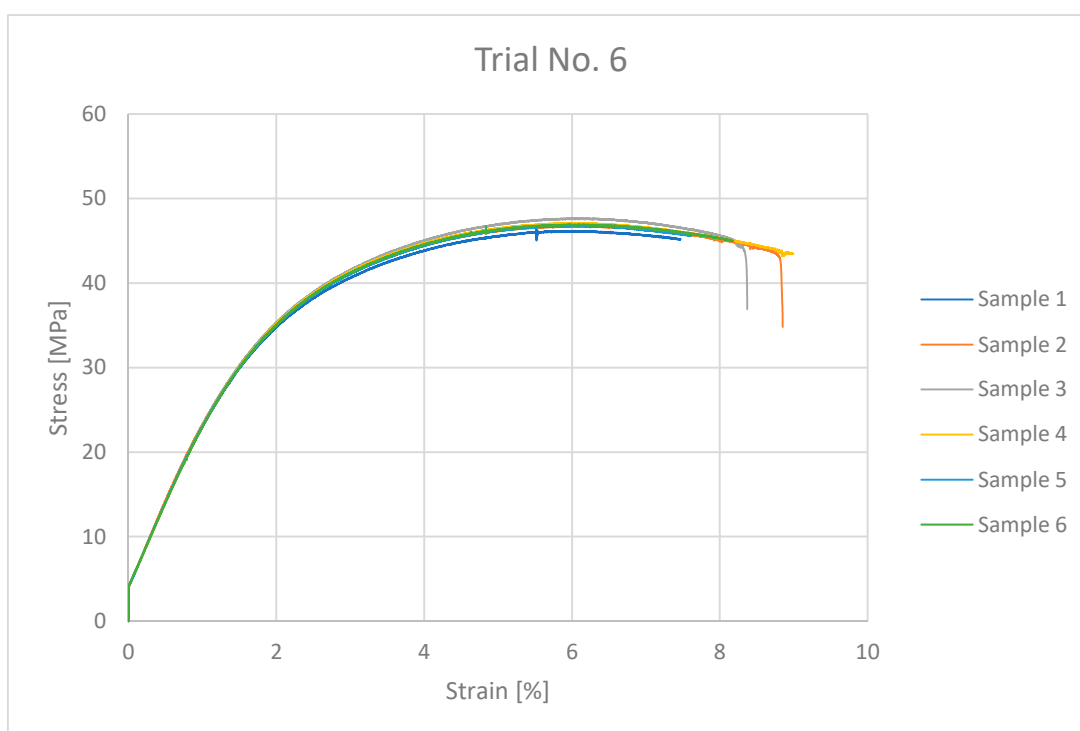


Figure S4. Stress-strain curves of the samples from Trial 6 → CO₂ foamed PP-cellulose, shot volume 95 cm³, gas content 1.2 wt%, no mold opening, injection speed 200 cm³/s

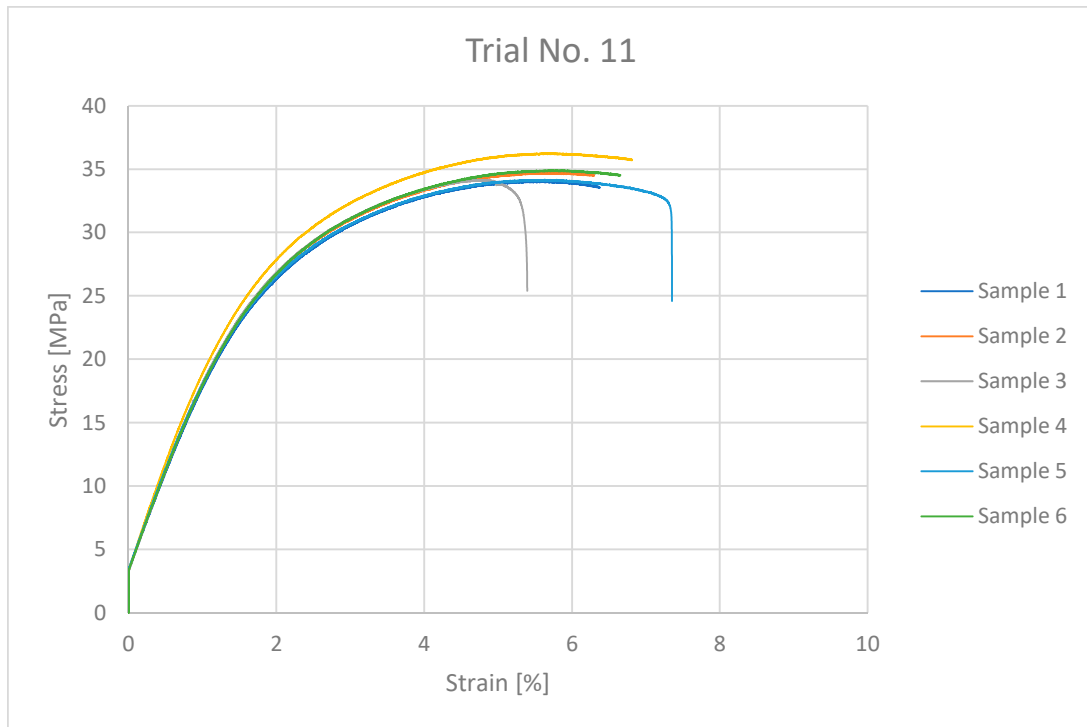


Figure S5. Stress-strain curves of the samples from Trial 11 → N₂ foamed PP-cellulose, shot volume 95 cm³, gas content 0.6 wt%, mold opening 0.5 mm, injection speed 200 cm³/s

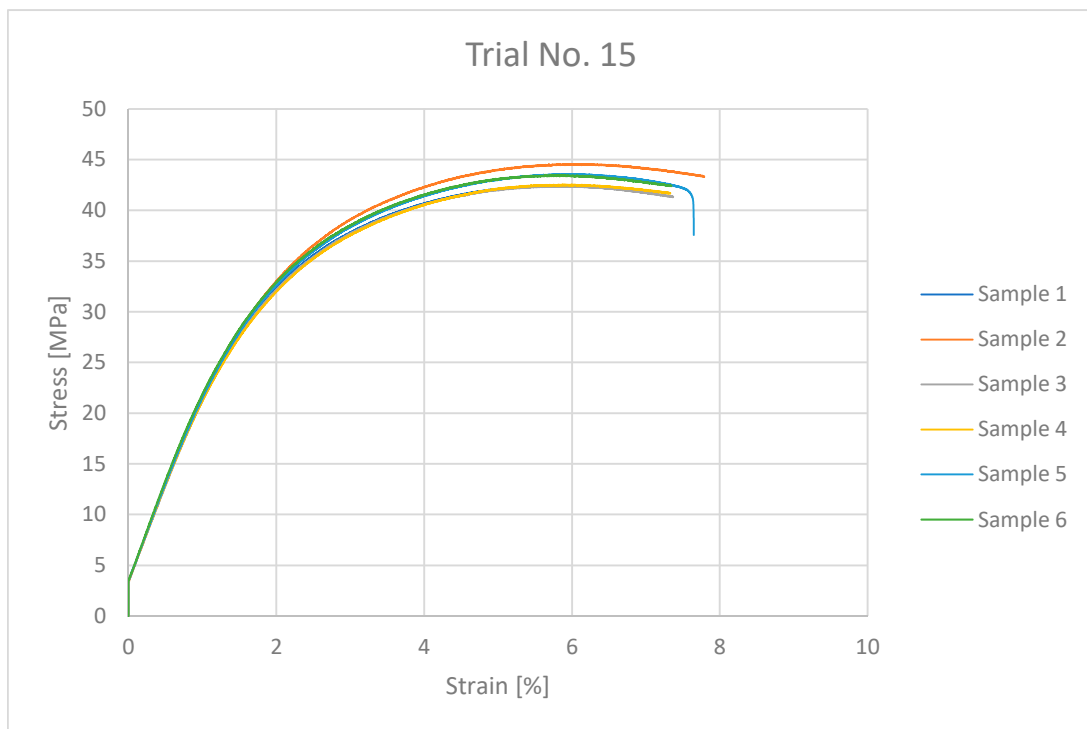


Figure S6. Stress-strain curves of the samples from Trial 15 → chemically foamed PP-cellulose, shot volume 96.5 cm³, CFA content 4 wt%, mold opening 0.5 mm, injection speed 193 cm³/s