

Supplementary Information

Novel and Accessible Physical Recycling for Expanded Polystyrene Waste with the Use of Acetone as a Solvent and Additive Manufacturing (Direct Ink-Write 3D Printing)

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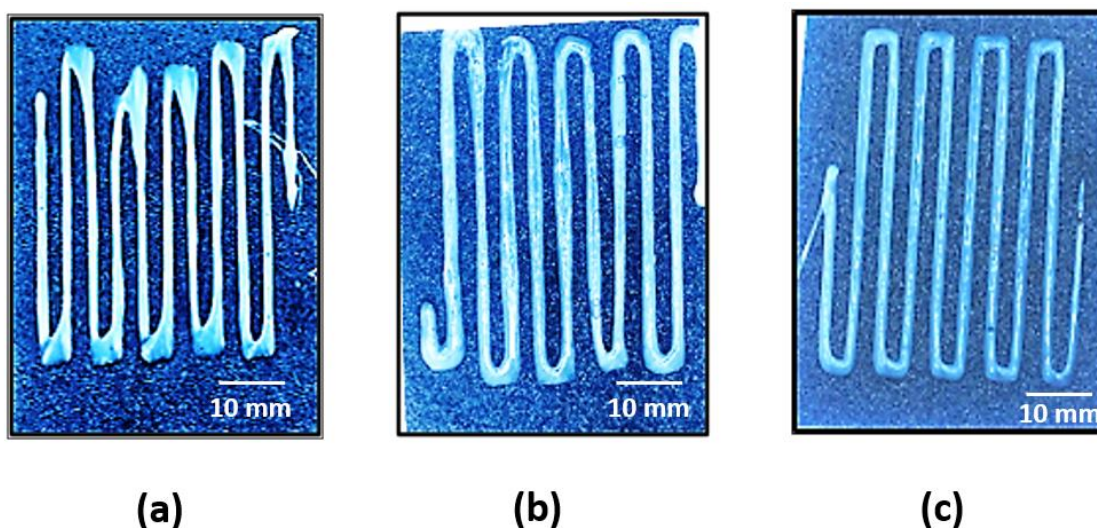
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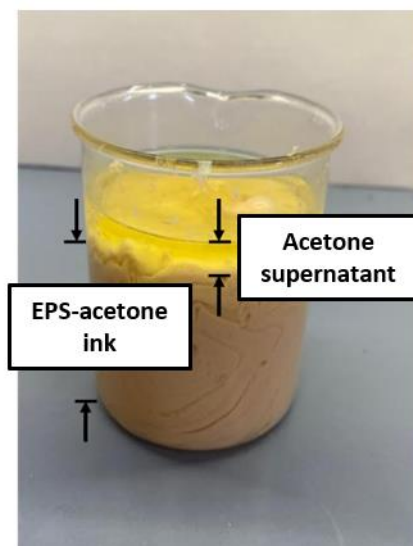
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KEYWORDS: Circular economy; Plastic waste recycling; Expanded polystyrene; Additive Manufacturing; Direct Ink Write



Supplementary Figure S1. Specimens printed at 2 mm/s. **a)** using a needle diameter of 14 G, without using silicone oil for reducing the friction forces within the needle when printing. **b)**

without using any needle and printing directly from the syringe. **c)** using a needle diameter of 14 G with silicone oil.



Supplementary Figure S2. EPS-acetone mixture (EPS-ink), where the excess of acetone observed as supernatant.