

## **SUPPORTING INFORMATION**

### **Rheological modification of lubricating greases with recycled polymers from different plastics waste**

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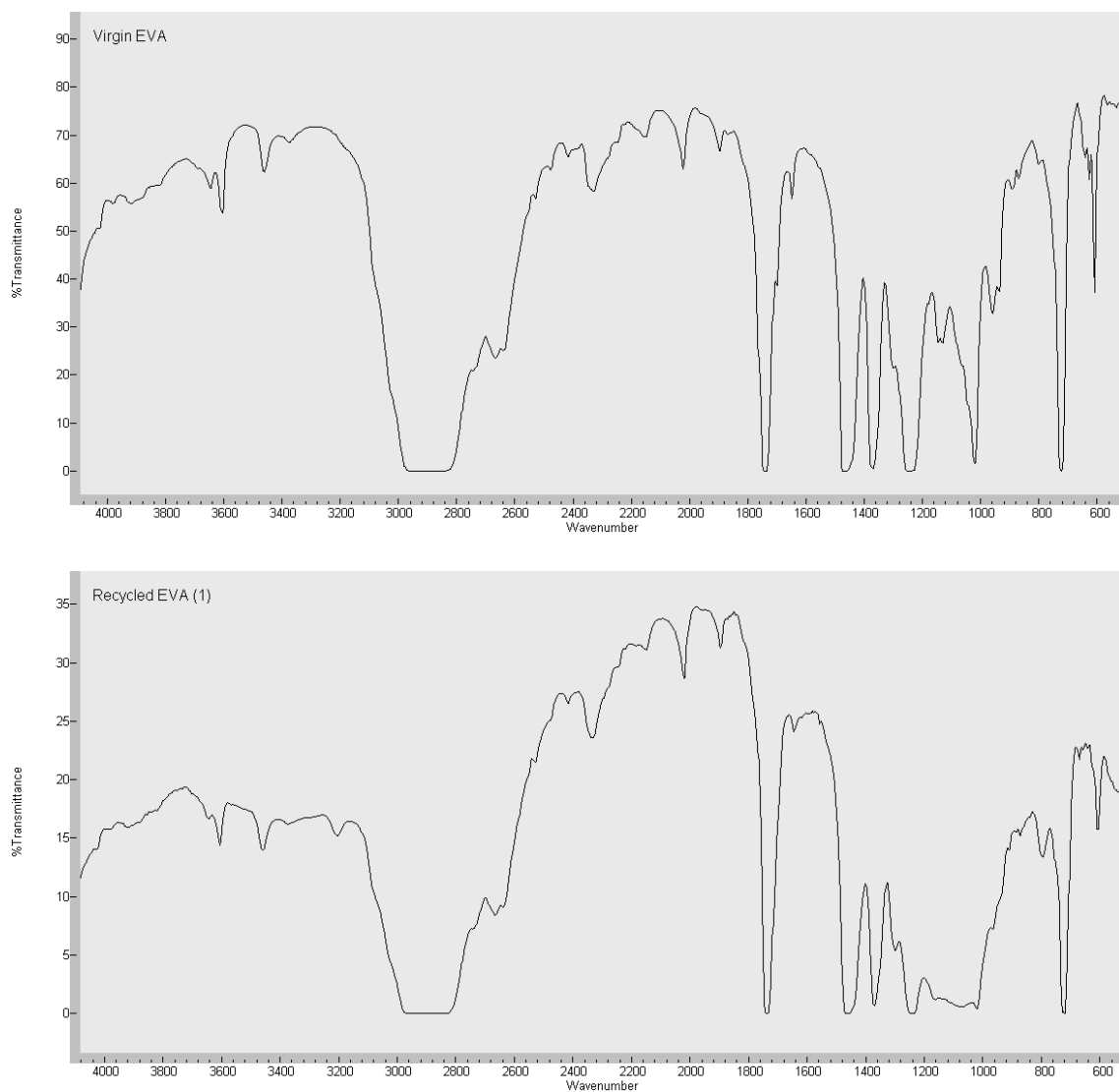


Figure S1. IR spectra of virgin and recycled EVA samples used as additives in lubricating grease formulations

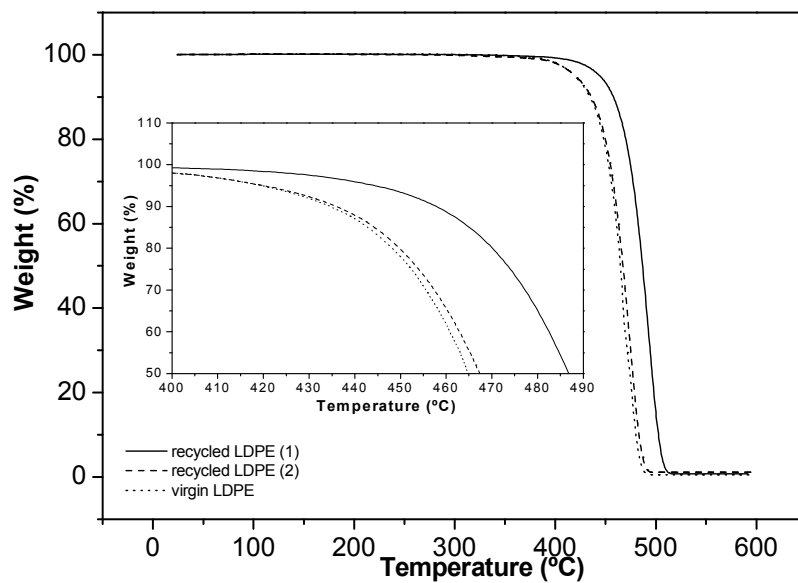


Figure S2.1. TGA curves for virgin and recycled LDPE samples studied as additives

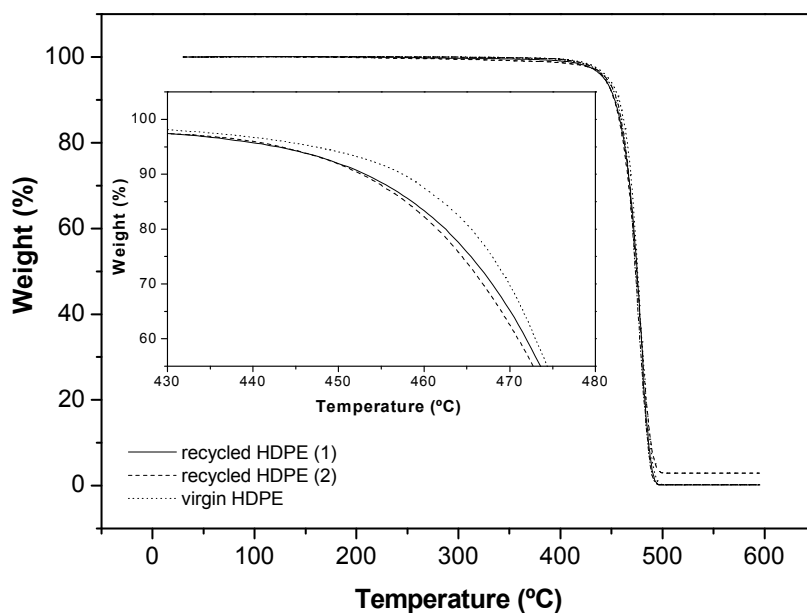


Figure S2.2. TGA curves for virgin and recycled HDPE samples studied as additives

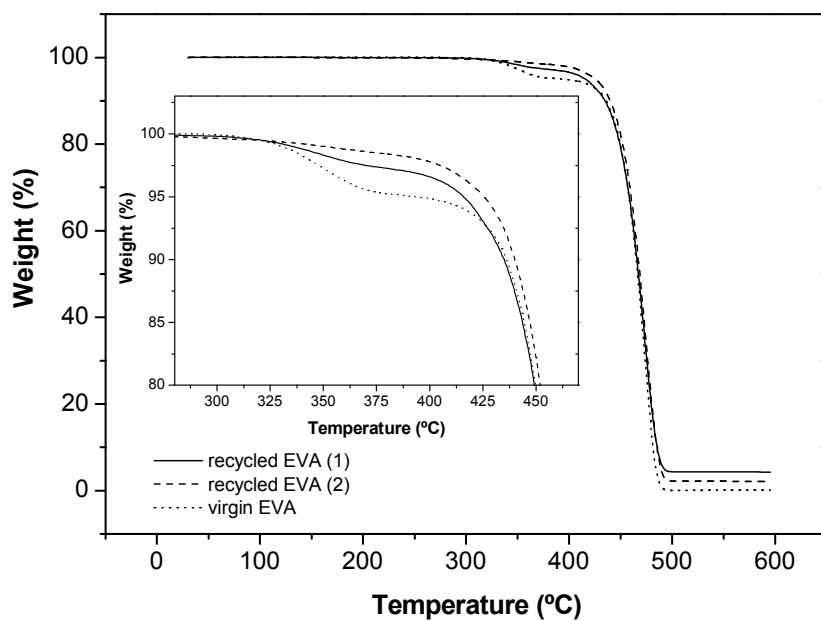


Figure S2.3. TGA curves for virgin and recycled EVA samples studied as additives

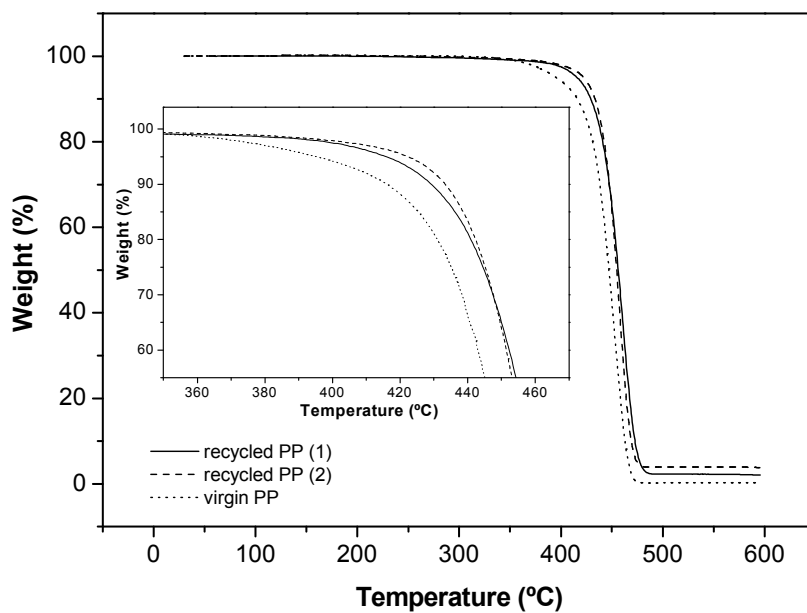


Figure S2.4. TGA curves for virgin and recycled PP samples studied as additives

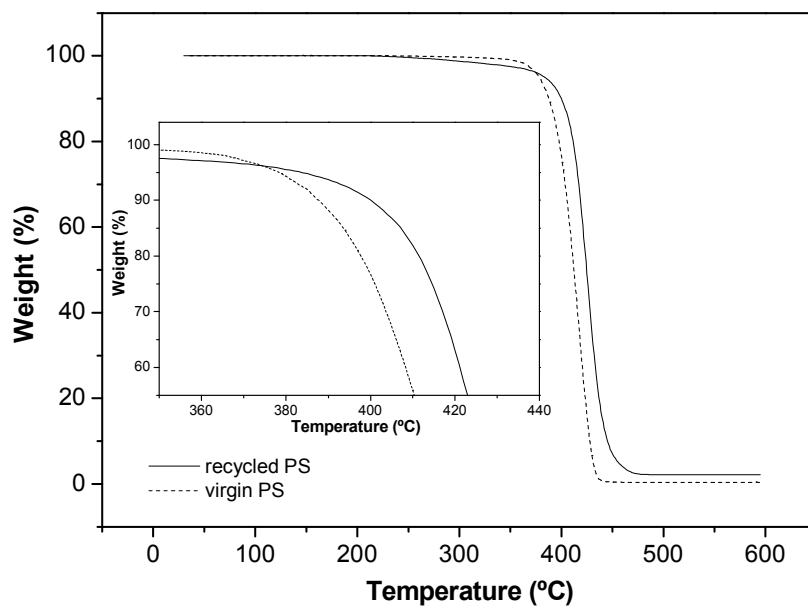


Figure S2.5. TGA curves for virgin and recycled PS samples studied as additives

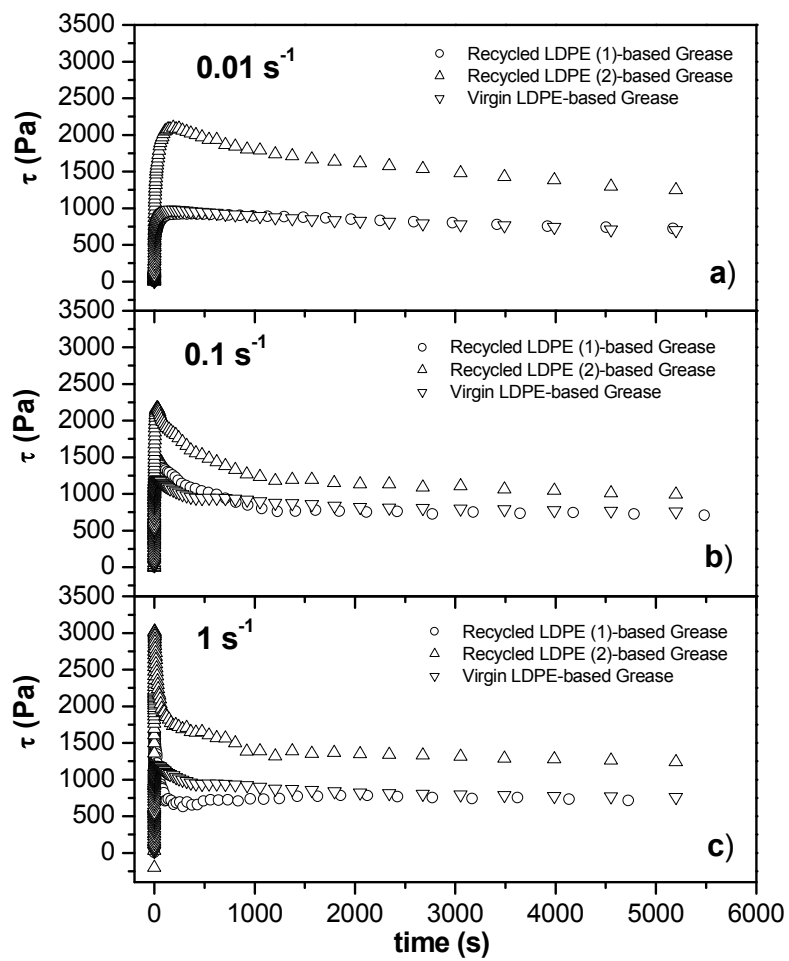


Figure S.3. Stress growth experiments at different shear rates ( $0.01\text{-}1 \text{ s}^{-1}$ ) for greases containing virgin and recycled LDPE as additives