

SUPPLEMENTARY MATERIAL

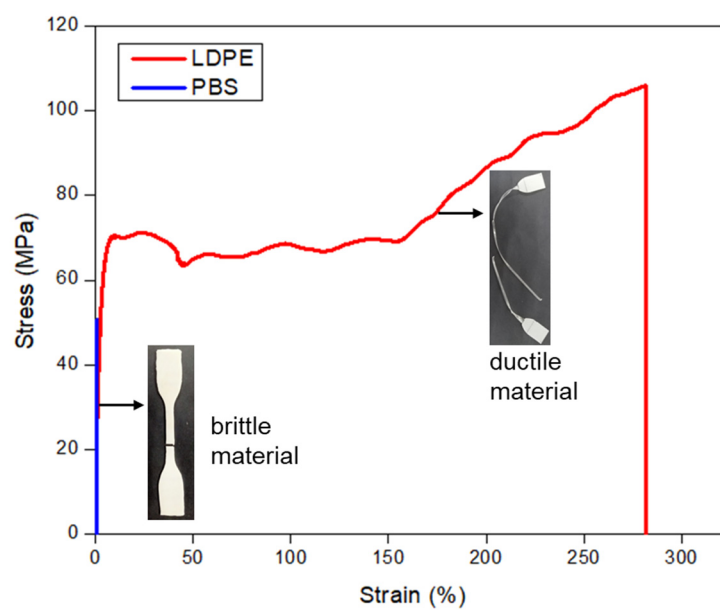

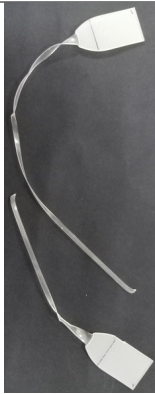




Figure S1. Behavior of ductile and brittle material

Table S1: Material deformation on mechanical analysis

Material	Before mechanical analysis	After mechanical analysis
LDPE		
PBS		

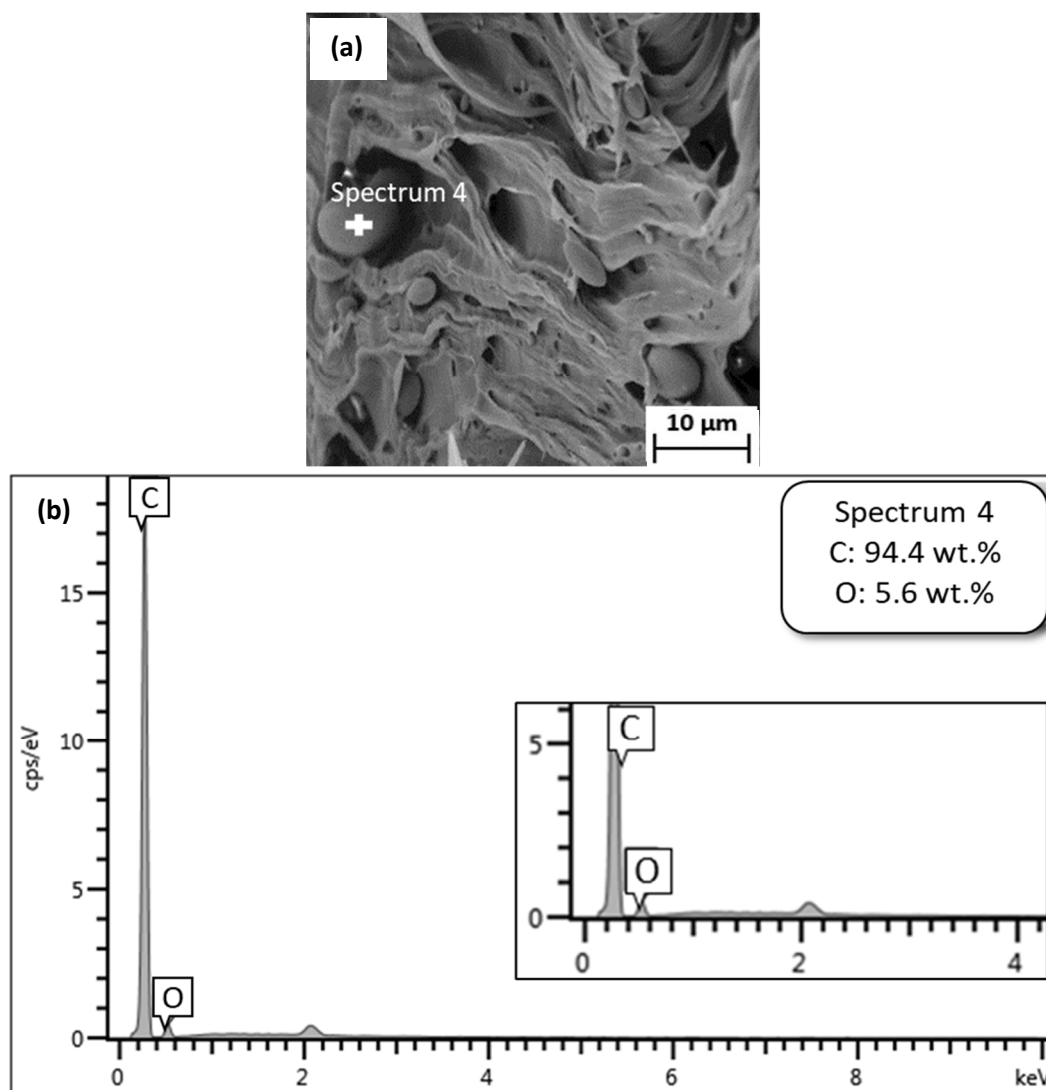


Figure S2: (a) Scanning electron microscopy with (b) energy-dispersive X-ray (SEM-EDX) analysis of 80LDPE/20PBS blend at 1000× magnification

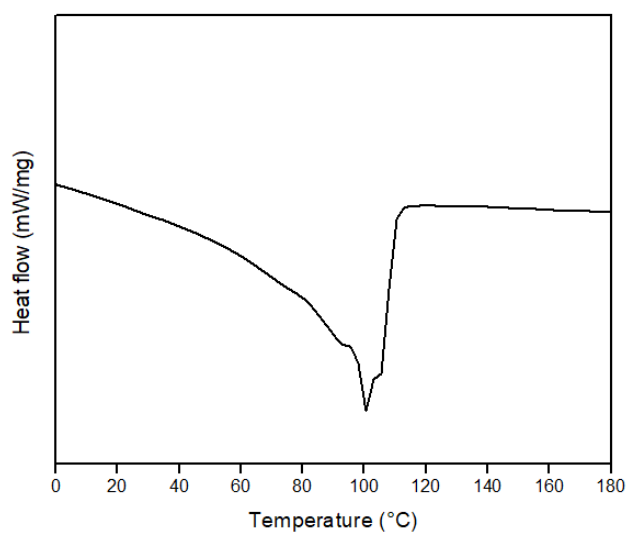


Figure S3: DSC thermogram: First heating scan of PE-g-MA

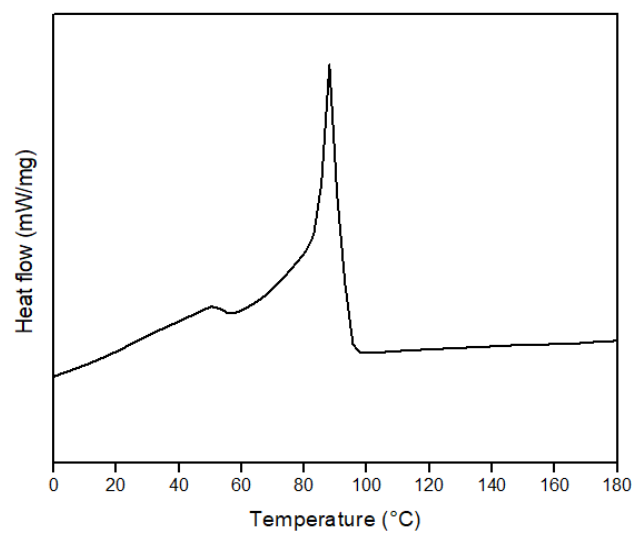


Figure S4: DSC thermogram: Cooling scan of PE-g-MA