

# Enhancement of Polypropylene Adhesion through Acetylated Kraft Lignin Incorporation

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## Supplementary Material

**Table S1.** Calculated total surface free energies and their polar and dispersive components for PP-KL and PP-AKL

Sample	Surface Free Energy (mN/m)		
	Total	Polar	Dispersive
PP	29.5	27.4	2.1
PP-KL 2.5	33.8	31.7	2.1
PP-KL 5.0	33.7	31.6	2.1
PP-KL 10.0	37.4	35.4	2.0
PP-AKL 2.5	39.4	37.4	2.0
PP-AKL 5.0	44.6	42.6	2.0
PP-AKL 10.0	36.5	34.4	2.1

**Figure S1.** DSC thermograms showing (a) cooling and (b) second heating

