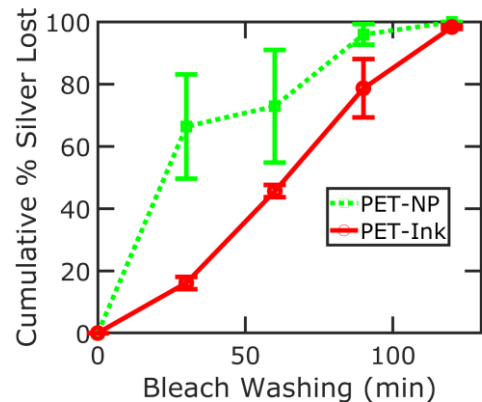


a)

Sample	Water Static Contact Angle	Advancing Contact Angle	Receding Contact Angle	Water Hysteresis	Water Breakthrough Pressure
PET	0°	~	~	~	~
PET-NP	$129 \pm 2^\circ$	$138 \pm 5^\circ$	$121 \pm 5^\circ$	$18 \pm 4^\circ$	$250 \pm 20$ Pa
PET-Ink	$139 \pm 5^\circ$	$146 \pm 6^\circ$	$130 \pm 8^\circ$	$16 \pm 2^\circ$	$332 \pm 17$ Pa

b)



c)

