

Supporting information

# Improving Interlayer Adhesion of Poly(p-phenylene terephthalamide)(PPTA)/Ultra-high-molecular-weight Polyethylene (UHMWPE) Laminates Prepared by Plasma Treatment and Hot Pressing Technique

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**Table S1.** Surface free energy of UHMWPE films treated for different times and powers.

Treatment time (min)	Treatment power (W)	Average contact angle of water (°)	Average contact angle of glycerol (°)	Surface free energy (mJ/m <sup>2</sup> )
Untreated		95.63	83.93	21.05
1	6.8	86.39	82.51	20.89
1	10.5	40.40	45.35	58.72
1	18	37.11	41.90	60.86
2	18	36.90	35.32	59.2
5	18	26.10	25.96	55.19