

Table S1. Fitting parameters (B and t) and conductivity values corresponding to the p_c of the epoxy/CNT/IL NCs cured with IL-P-TMPP, IL-P-DCA and IL-I-DCA and of the reference epoxy/CNT/Aradur systems.

System	B (S/cm)	t	$\sigma(p_c)$ (S/cm)
IL-P-TMPP	$6.66 \cdot 10^{-6}$	2.72	$7.16 \cdot 10^{-15}$
IL-P-DCA	$7.91 \cdot 10^{-6}$	3.67	$6.52 \cdot 10^{-13}$
IL-I-DCA	$7.44 \cdot 10^{-8}$	2.32	$2.15 \cdot 10^{-13}$
Aradur	$1.22 \cdot 10^{-7}$	1.45	$6.09 \cdot 10^{-15}$