

Synergistically Engineered PVDF/CNT/GnP Hierarchical Nanocomposites via Scalable Solution Spinning for Ultradurable, Superhydrophobic EMI Shielding Wearables

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Table S1. Some representative PVDF-based shielding materials.

Shield	SE _T (dB)	SE _R (dB)	Absorptivity	d (mm)	SE _T /t (dB mm ⁻¹)	Ref.
PVDF/CNT/graphene films	27.58	12.5	0.0543	0.1	275.8	[1]
PVDF/CNT/Ni-chain composites	23.6	6.6	0.2146	0.3	78.67	[2]
PVDF/GnP/Ni-chain composites	22.7	13.9	0.036	0.3	75.67	[2]
PE/PVDF/Fe ₃ O ₄ /CNTs nanocomposite foams	26	2.2	0.6	2.6	10	[3]
PVDF/Ti ₃ C ₂ T _x MXene layered films	24.9	7.9	0.1588	0.017	1464.7	[4]
PVDF/CNT/Co chain	35.3	9.2	0.12	0.3	117.67	[5]
PVDF/Ni-chains composite foams	26.8	3.3	0.4659	0.21	127.62	[6]
PVDF/MXene/CNT composite	30	0.00025	0.9989	3.05	9.84	[7]
PVDF/SiCnw/MXene composite foam	32.6	0.00031	0.99935	1.95	16.72	[8]
PVDF@ECG-cMWCNT	30	2	0.629	2	15	[9]
PVDF/MXene/AgNW films	25.87	4.37	0.3634	0.3	86.23	[10]
PVDF/CNT	21.1	6.8	0.2022	3	7.03	This work
PVDF/GnP	22.4	10.2	0.0892	3	7.47	This work
PVDF/CNT/ GnP	25.4	6.9	0.2011	3	8.47	This work

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