

Materials List for:

Solid-state Graft Copolymer Electrolytes for Lithium Battery Applications

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Materials

Name	Company	Catalog Number	Comments
POEM	Sigma Aldrich	26915-72-0	
POEA	Sigma Aldrich	32171-39-4	
LITFSI	Sigma Aldrich	90076-65-6	
AIBN	Sigma Aldrich	78-67-1	
EA	Sigma Aldrich	141-78-6	
THF	Sigma Aldrich	109-99-9	
PDMS	Gelest	146632-07-7	
Argon Gas	Air Gas		Ultra high purity (Grade 5)
PE	Sigma Aldrich	8032-32-4	
LiFePO ₄	Gelon		
Carbon black	SuperP		Super P
Lithium metal	Alfa Aesar	7439-93-2	
PVDF binder resin	Kynar		Kynar
PVDF Separator	Celgard		
LP30	Merck		LiPF ₆ in EC:DMC
MACCOR battery tester	MACCOR		
EI-Cut	EL-CELL		