

Materials List for:

Determining Tribocorrosion Rate and Wear-Corrosion Synergy of Bulk and Thin Film Aluminum Alloys

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Materials

Name	Company	Catalog Number	Comments
UMT (universal mechanical testing) machine	Bruker	UMT-2	
Potentiostat	Gamry	Reference 600	
Surface profilometer	Veeco	Dektak150	
Al3003	Metal supermarkets	3003	
Sodium chloride	Fisher Scientific	S640-3	
DI water	USF NREC		
Alcohol	Fisher Chemical	A405P-4	
Grinding paper	LECO Corporation	810-221-300 (#180) 810-223-300 (#240) 810-227-300 (#400) 810-229-300 (#600) 810-036-100 (#1200)	
Polishing Pad	Pace Technologies	NP. 7008	
Polishing suspension	Pace Technologies	NANO2-1010-06 (1 um) NANO2-1003-06 (0.3 um) NANO2-1005-06 (0.05 um)	
Stop-off lacquer	Romanoff	210-1250	
Ag/AgCl Reference electrode	SYC Technologies, Inc.	CHI111	
Compressed air	Office depot	911-245	
Ultrasonic cleaner	Cole Parmer	8890	
Sputtering coater	Torr International	CRC-100	