

USABC Goals for Advanced Electrolytes

Parameter		Unit	USABC Goal
Electrochemical Stability (100 $\mu\text{A}/\text{cm}^2$ threshold)	Upper Voltage	V vs. Li/Li ⁺	5
	Lower Voltage		0
Specific Conductivity	at 30°C	mS / cm	>12
	at -30°C		>4
Lithium Transference Number			>0.35
Viscosity	at 30°C	cP	5
	at -30°C		20
Impurities	H ₂ O	ppm	<20
	HF		<50
Purity of Each Component		%	≥99.99
Vapor Pressure (25°C)		mm Hg	<1
Flashpoint		°C	>100
Lithium Salt Solubility		M	1
Cost @ a yearly production volume no more than 20,000 ton/year		\$/kg	<10