

GreenMem®

for Redox Flow Battery

Properties		Unit	GM515	GM520	GM530	GM550	Test Method
Thickness		μm	15	20	30	50	M/M
Ion Conductivity		S/cm	0.090	0.092	0.100	0.080	25°C/RH100%
Tensile Strength	MD	MPa	60	60	63	55	ASTM D882
	TD		59	61	63	53	
Elongation to Break	MD	%	246	266	272	304	
	TD		234	277	279	324	
Swelling Ratio	MD	%	0	0	0	0	25°C/ RH100%/2hr
	TD		3	3	3	3	
Puncture Strength	Dry	gf	317	387	621	747	JIS Z 1707
	Wet		302	336	567	703	

Roll Properties

Standard roll widths	mm	340 450	340 450	340 450	340 450	
Standard length	m	200/400	200/400	200/400	100/200	
Trailer length	m	15	15	15	15	