

Statistic parameters related to the fitting reported in Table 2.

	BMIM PF6	EMIM Tf2N	OMPyrr Tf2N	BMIM Tf2N	BMIM BF4
<i>43% humidity</i>					
M_{∞}	8,206	10,27	4,929	9,894	47,06
K	0,1924	0,2821	0,1088	0,3103	0,1174
Std. Error					
M_{∞}	0,001617	0,001767	0,002579	0,001361	0,0008757
K	0,0001203	0,0002487	0,0001581	0,0003349	0,00001086
95% Confidence Intervals					
M_{∞}	8,203 to 8,209	10,27 to 10,28	4,923 to 4,934	9,892 to 9,897	47,05 to 47,06
K	0,1921 to 0,1926	0,2816 to 0,2826	0,1085 to 0,1092	0,3096 to 0,3109	0,1174 to 0,1174
Goodness of Fit					
Degrees of Freedom	24577	34326	36065	65339	78480
R square	0,9971	0,987	0,9829	0,9596	0,9997
Absolute Sum of Squares	295,6	1977	1033	6153	2432
Sy.x	0,1097	0,24	0,1692	0,3069	0,176
Number of points					
Analyzed	24579	34328	36067	65341	78482
<i>81% humidity</i>					
M_{∞}	17,85	24,77	13,55	17,3	113,7
K	0,1734	0,3807	0,1167	0,3357	0,07213
Std. Error					
M_{∞}	0,003943	0,005497	0,01084	0,0048	0,01831
K	0,0001332	0,000488	0,0002355	0,0004617	0,00003781
95% Confidence Intervals					
M_{∞}	17,84 to 17,86	24,76 to 24,78	13,53 to 13,57	17,29 to 17,31	113,7 to 113,8
K	0,1731 to 0,1736	0,3797 to 0,3817	0,1162 to 0,1172	0,3348 to 0,3366	0,07206 to 0,07221
Goodness of Fit					
Degrees of Freedom	31023	31023	29362	27318	67914
R square	0,9938	0,9731	0,9733	0,974	0,9941
Absolute Sum of Squares	3663	18012	8348	8817	312889
Sy.x	0,3436	0,762	0,5332	0,5681	2,146
Number of points					
Analyzed	31025	31025	29364	27320	67916

Kinetic parameters obtained by fitting the equation 1 to the data collected in the first 30 minutes of exposure.

	BMIM PF6	EMIM Tf2N	OMPyrr Tf2N	BMIM Tf2N	BMIM BF4
<i>43% humidity</i>					
M_{∞}	1,804	2,851	0,5800	3,146	7,084
K	1,663	2,385	2,427	2,465	1,275
Std. Error					
M_{∞}	0,02022	0,02201	0,01994	0,02132	0,06528
K	0,02532	0,02840	0,1296	0,02612	0,01489
95% Confidence Intervals					
M_{∞}	1.764 to 1.844	2.807 to 2.894	0.5409 to 0.6190	3.104 to 3.188	6.956 to 7.212
K	1.613 to 1.712	2.329 to 2.441	2.173 to 2.681	2.414 to 2.516	1.246 to 1.304
Goodness of Fit					
Degrees of Freedom	599	599	599	599	599
R square	0,9967	0,9958	0,9154	0,9965	0,9988
Absolute Sum of Squares	0,1744	0,7871	0,6879	0,8326	0,6652
Sy.x	0,01707	0,03625	0,03389	0,03728	0,03332
Number of points					
Analyzed	601	601	601	601	601

<i>81% humidity</i>						
M _∞	6,694	13,75	2,229	7,608	14,77	
K	0,7172	1,207	3,873	1,852	0,9250	
Std. Error						
M _∞	0,1389	0,06807	0,01670	0,04217	0,1231	
K	0,01702	0,007474	0,05694	0,01443	0,009157	
95% Confidence Intervals						
M _∞	6.422 to 6.966	13.62 to 13.88	2.197 to 2.262	7.526 to 7.691	14.53 to 15.01	
K	0.6839 to 0.7506	1.192 to 1.221	3.761 to 3.985	1.824 to 1.881	0.9070 to 0.9429	
Goodness of Fit						
Degrees of Freedom	599	599	599	599	599	
R square	0,9984	0,9997	0,9840	0,9989	0,9995	
Absolute Sum of Squares	0,3259	0,5857	2,477	1,138	0,6877	
Sy.x	0,02332	0,03127	0,06431	0,04359	0,03388	
Number of points						
Analyzed	601	601	601	601	601	