

Test report Filtration/dust emission

DATE: 2015.1.15

Material	PET	Test area cm ²		Dust diameter (um)							
		Flow L/min	Thickness mm	0.3um	0.5um	1.0um	2.0um	5.0um	10um		
Resistance Pa	30		100								
Basis weight g/m ²	180		32								
Hygformter	54%		0,52								
			15								
Sample Time	Sample data	0.3um	0.5um	1.0um	2.0um	5.0um	10um				
1 minute	Upsteam	481637	454098	289000	78006	1152	14				
	Downsteam	386963	352607	167479	14357	33	0				
1 minute	Upsteam	495336	468760	303241	83325	1229	11				
	Downsteam	396649	363300	175406	14907	41	0				
1 minute	Upsteam	465766	438592	277227	75409	1185	17				
	Downsteam	374270	339810	159176	13617	37	0				
1 minute	Upsteam	499182	472636	305752	83334	1203	11				
	Downsteam	398636	364837	177202	15368	48	0				
1 minute	Upsteam	489130	462585	300623	83299	1270	8				
	Downsteam	387267	353636	171311	15027	35	0				
Average	Upsteam	486210,2	459334,2	295168,6	80674,6	1207,8	12,2				
	Downsteam	388757	354838	170114,8	14655,2	38,8	0				
Fractional Efficiency (%)		20,0434%	22,7495%	42,3669%	81,8342%	96,7875%	100,0000%				