

Ultra-Fine grade porous polyethylene sheet						
Thickness /mm	Thickness Tolerance/mm	Material Reference Number	Max pore size/ μ	Mean pore size/ μ	Mean Air Permeability/ $m^3/m^2/min$	Internal code
1.5	± 0.10	PE2015	25	21	2.2	21
3.0	± 0.10	PE2030	20	14	1.1	12

Ultra-fine grade sheet is also available with a super-hydrophobic modified surface treatment

Fine grade porous polyethylene sheet						
Thickness /mm	Thickness Tolerance/mm	Material Reference Number	Max pore size/ μ	Mean pore size/ μ	Mean Air Permeability/ $m^3/m^2/min$	Internal code
0.6	± 0.06	PE3506	69	53	9.8	72
1.0	± 0.08	PE3510	58	47	7.9	60
1.5	± 0.10	PE3515	51	45	6.7	52
2.0	± 0.10	PE3520	49	43	5.5	44
2.5	± 0.10	PE3525	47	42	4.5	38
3.0	± 0.10	PE3530	45	39	3.6	32
4.5	± 0.12	PE3545	41	30	2.1	20
6.0	± 0.15	PE3560	41	30	1.7	17

Medium grade porous polyethylene sheet						
Thickness /mm	Thickness Tolerance/mm	Material Reference Number	Max pore size/ μ	Mean pore size/ μ	Mean Air Permeability/ $m^3/m^2/min$	Internal code
0.6	± 0.06	PE10006	177	141	12.3	88
1.0	± 0.08	PE10010	154	126	11.5	83
1.5	± 0.10	PE10015	131	114	10.9	79
2.0	± 0.10	PE10020	126	104	10.6	77
2.5	± 0.10	PE10025	122	101	10.4	76
3.0	± 0.10	PE10030	114	98	10.1	74
4.5	± 0.12	PE10045	107	88	9.2	68
6.0	± 0.15	PE10060	105	85	9.0	67

Coarse grade porous polyethylene sheet						
Thickness /mm	Thickness Tolerance/mm	Material Reference Number	Max pore size/ μ	Mean pore size/ μ	Mean Air Permeability/ $m^3/m^2/min$	Internal code
2.0	± 0.10	PE16020	300	199	12.5	89
3.0	± 0.10	PE16030	224	171	11.9	86
4.5	± 0.12	PE16045	197	161	11.5	83
6.0	± 0.15	PE16060	196	154	11.0	80

NB Polyethylene sheet can be manufactured to any thickness between 0.6 & 6.0mm and in pore sizes between 20 microns & 200 microns – please speak to our engineers for details. The above PE grades Fine, Medium & Course can also be supplied in hydrophilic form.

Battery vent grade porous polyethylene sheet						
Thickness /mm	Thickness Tolerance/mm	Material Reference Number	Max pore size/ μ	Mean pore size/ μ	Mean Air Permeability/ $m^3/m^2/min$	Internal code
3.2	± 0.10	PE32V	84	77	7.1	55

Self-Sealing porous polyethylene sheet					
Thickness /mm	Thickness Tolerance/mm	Material Reference Number	Max water pressure resistance/bar	Mean Air Permeability/ $m^3/m^2/min$	Internal code
3.0	± 0.10	HB3530	1.0	2.7	25

Coarse grade porous polypropylene sheet						
Thickness /mm	Thickness Tolerance/mm	Material Reference Number	Max pore size/ μ	Mean pore size/ μ	Mean Air Permeability/ $m^3/m^2/min$	Internal code
1.5	± 0.10	PP18015	299	224	12.5	89
2.5	± 0.10	PP18025	256	199	11.6	84
3.0	± 0.10	PP18030	239	180	10.7	78

N.B All the above air permeabilities are measured at 2 inches of water air pressure differential, using a 34.7mm test piece