

Ultra-Fine Grade Porous Polyethylene Sheet				
Thickness / mm	Material Reference Number	Max Pore Size / μ	Mean Pore Size / μ	Mean Air Permeability $m^3/m^2/min$ @ 2" Water Gauge
1.5 \pm 0.10	PE2015	25	21	2.2
3.0 \pm 0.10	PE2030	20	14	1.1

Fine Grade Porous Polyethylene Sheet				
Thickness / mm	Material Reference Number	Max Pore Size / μ	Mean Pore Size / μ	Mean Air Permeability $m^3/m^2/min$ @ 2" Water Gauge
0.6 \pm 0.06	PE3506	69	53	9.8
1.0 \pm 0.08	PE3510	58	47	7.9
1.5 \pm 0.10	PE3515	51	45	6.7
2.0 \pm 0.10	PE3520	49	43	5.5
2.5 \pm 0.10	PE3525	47	42	4.5
3.0 \pm 0.10	PE3530	45	39	3.6
4.5 \pm 0.15	PE3545	41	30	2.1
6.0 \pm 0.20	PE3560	41	30	1.7

Medium Grade Porous Polyethylene Sheet				
Thickness / mm	Material Reference Number	Max Pore Size / μ	Mean Pore Size / μ	Mean Air Permeability $m^3/m^2/min$ @ 2" Water Gauge
0.6 \pm 0.06	PE10006	177	141	12.3
1.0 \pm 0.08	PE10010	154	126	11.5
1.5 \pm 0.10	PE10015	131	114	10.9
2.0 \pm 0.10	PE10020	126	104	10.6
2.5 \pm 0.10	PE10025	122	101	10.4
3.0 \pm 0.10	PE10030	114	98	10.1
4.5 \pm 0.15	PE10045	107	88	9.2
6.0 \pm 0.20	PE10060	105	85	9.0

Coarse Grade Porous Polyethylene Sheet				
Thickness / mm	Material Reference Number	Max Pore Size / μ	Mean Pore Size / μ	Mean Air Permeability $m^3/m^2/min$ @ 2" Water Gauge
2.0 \pm 0.10	PE16020	300	199	12.5
3.0 \pm 0.10	PE16030	224	171	11.9
4.5 \pm 0.15	PE16045	197	161	11.5
6.0 \pm 0.20	PE16060	196	154	11.0

*N.B. 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	Material Reference Number	Max Pore Size / μ	Mean Pore Size / μ	Mean Air Permeability $m^3/m^2/min$ @ 2" Water Gauge
3.2 \pm 0.10	PE32V	84	77	7.1

High Void Volume Porous Polyethylene Sheet				
Thickness / mm	Material Reference Number	Max Pore Size / μ	Mean Pore Size / μ	Mean Air Permeability $m^3/m^2/min$ @ 2" Water Gauge
6.2 \pm 0.20	HV5062	60	42	5.8

Self-Sealing Porous Polyethylene Sheet				
Thickness / mm	Material Reference Number	Max Water Pressure Resistance / Bar	Mean Air Permeability $m^3/m^2/min$ @ 2" Water Gauge	
3.0 \pm 0.10	HB3530	1.0	2.7	

Coarse Grade Porous Polypropylene Sheet				
Thickness / mm	Material Reference Number	Max Pore Size / μ	Mean Pore Size / μ	Mean Air Permeability $m^3/m^2/min$ @ 2" Water Gauge
1.5 \pm 0.10	PP18015	299	224	12.5
2.0 \pm 0.10	PP18020	270	210	11.9
2.5 \pm 0.10	PP18025	256	199	11.6
3.0 \pm 0.10	PP18030	239	180	10.7

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