



Expanded Polystyrene Sheets Data

Thickness	Width	Length	Density	Sheets Per Bundle	Quality	Thermal Heat Conductivity W/mK Value "K" 10°C	Thermal Value "R"	Water Vapour Transmission 38°C 88%RH (max)	Water Vapour resistivity (min)	Dimensional Stability 7 Days @ 80°C "%"	Effect of High temperature (long term stable)	Effect of High temperature (short term stable)	Strength - Compressive Stress @10% compression (kPa)	Strength - Cross-breaking strength @1% nominal compression (kPa)	Safe Working Load (kPa)
10	1200	2400	24	53	P	0.034	0.29	4.2	238	1.00	80°C	100°C	160	205	70
20	1200	2400	15	29	Q	0.040	0.50	6.0	125	1.00	80°C	100°C	65	100	17
20	1200	2400	15	29	S	0.040	0.50	6.0	125	1.00	80°C	100°C	65	100	17
20	1200	2400	24	29	P	0.034	0.59	4.2	238	1.00	80°C	100°C	160	205	70
30	1200	2400	15	20	Q	0.040	0.75	6.0	125	1.00	80°C	100°C	65	100	17
30	1200	2400	24	20	P	0.034	0.88	4.2	238	1.00	80°C	100°C	160	205	70
40	1200	2400	24	15	P	0.034	1.18	4.2	238	1.00	80°C	100°C	160	205	70
50	1200	2400	15	13	Q	0.040	1.25	6.0	238	1.00	80°C	100°C	160	205	70
50	1200	2400	24	13	P	0.034	1.47	4.2	125	1.00	80°C	100°C	65	100	17
10	1200	1200	24	53	P	0.034	0.29	4.2	238	1.00	80°C	100°C	160	205	70
20	1200	1200	24	29	P	0.034	0.59	4.2	238	1.00	80°C	100°C	160	205	70
20	1200	1200	15	29	Q	0.040	0.50	6.0	125	1.00	80°C	100°C	65	100	17
20	1200	1200	15	29	S	0.040	0.50	6.0	125	1.00	80°C	100°C	65	100	17
30	1200	1200	24	20	P	0.034	0.88	4.2	238	1.00	80°C	100°C	160	205	70
30	1200	1200	15	20	Q	0.040	0.75	6.0	125	1.00	80°C	100°C	65	100	17
40	1200	1200	24	15	P	0.034	1.18	4.2	238	1.00	80°C	100°C	160	205	70
50	1200	1200	24	13	P	0.034	1.47	4.2	125	1.00	80°C	100°C	65	100	17
50	1200	1200	15	13	Q	0.040	1.25	6.0	238	1.00	80°C	100°C	160	205	70

S = Standard grade, up to 25% recycled content

Q = Quality grade, up to 15% recycled content

P = Premium grade, 100% virgin material

S, Q & P grades are produced from type FR (fire retarded) material. Fire retarded EPS foam when exposed to heat shrinks away from the heat source. The probability of ignition of the material is significantly reduced and welding sparks or cigarettes normally will not ignite it.