

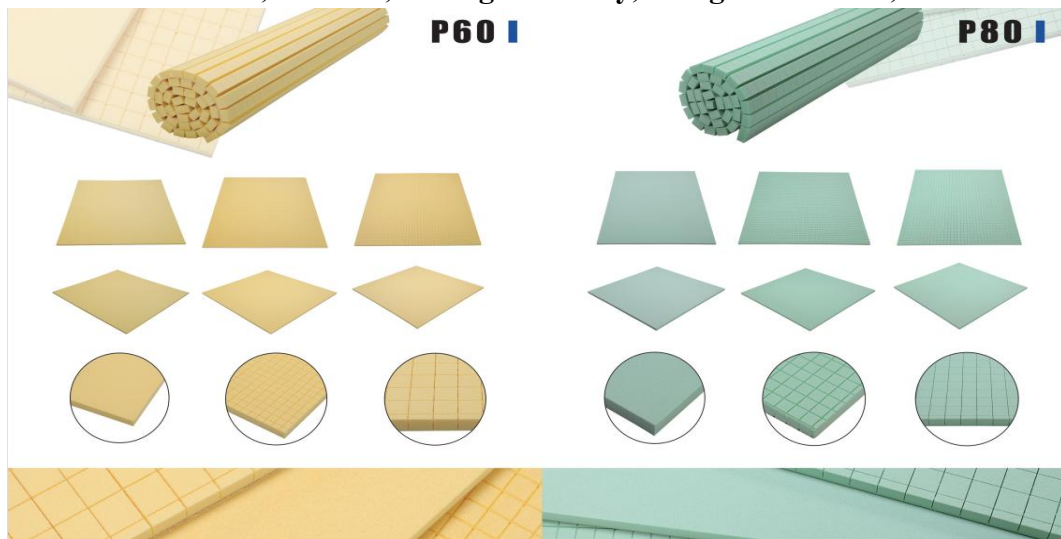
优联复合材料（常州）有限公司
UNION COMPOSITES CHANGZHOU CO., LTD.
East Taihu Rd., No. 120, Changzhou City, Jiangsu Province, China

Technical Data Sheet

PVC FOAM CORE

Item	Unit	P45	P60	P80	P100	P130	P200	P250
Density	kg/m ³	48	60	80	100	130	200	250
Compressive Strength	MPa	0.6	0.93	1.4	2.0	3.0	4.8	6.2
Compressive Modulus	MPa	50	70	90	135	170	240	300
Tensile Strength	MPa	1.4	1.8	2.5	3.5	4.5	7.1	9.2
Tensile Modulus	MPa	55	75	95	130	175	250	360
Shear Strength	MPa	0.5	0.76	1.15	1.44	2.1	3.5	4
Shear Mpdulus	MPa	15	20	27	35	50	85	104
Shear Strain	%	8	20	30	15	20	20	20

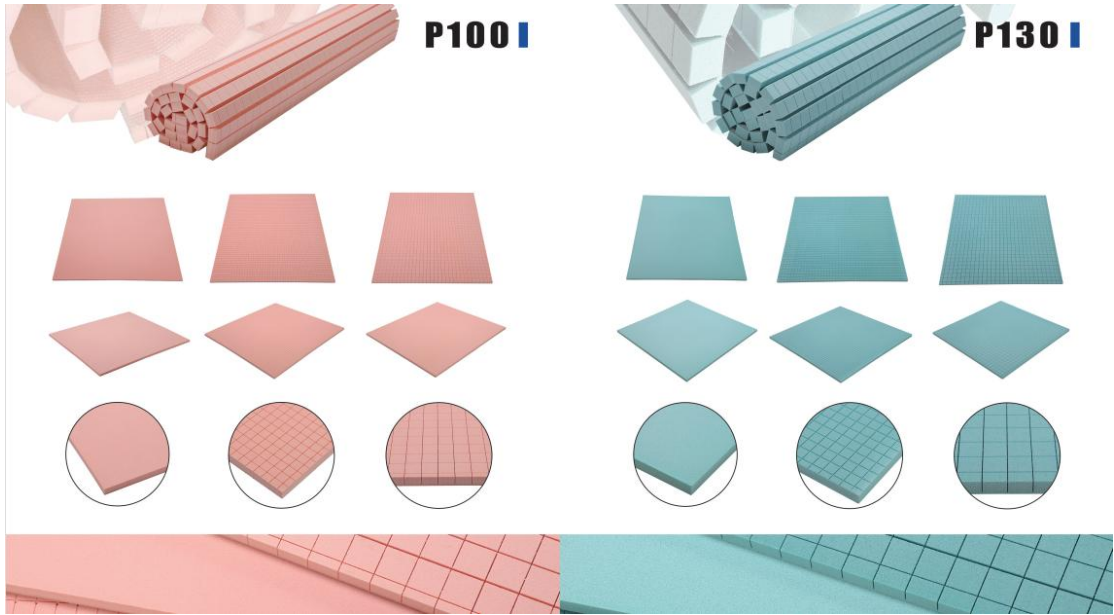
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Density	Regular Size(Plain) (mm)	Regular Size(Punched/Grooved)(mm)	Thickness (mm)
P45	2600*1240	1300*1240 860*1240	5
P45			6
P45			10
P45			13
P45			15
P45			20
P45			25
P45			30
P45			35
P45			40
P45			45
P45			50
P45			60
P45			70
P45			75
P45			90--95
P60	2450*1150	1220*1150	3
P60	2450*1150	1220*1150	5
P60	2450*1150	1220*1150	8
P60	2450*1150	1220*1150	10
P60	2450*1150	1220*1150	12
P60	2450*1150	1220*1150	15
P60	2450*1150	1220*1150	25
P60	2450*1150	1220*1150	30
P60	2450*1150	1220*1150	40
P80	2280*1080	1140*1080	2mm

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P80	2280*1080	1140*1080	3mm
P80	2280*1080	1140*1080	5
P80	2280*1080	1140*1080	6
P80	2280*1080	1140*1080	8
P80	2280*1080	1140*1080	9
P80	2280*1080	1140*1080	10
P80	2280*1080	1140*1080	12
P80	2280*1080	1140*1080	15
P80	2280*1080	1140*1080	20
P80	2280*1080	1140*1080	25
P80	2280*1080	1140*1080	30
P80	2280*1080	1140*1080	32
P80	2280*1080	1140*1080	40
P80	2280*1080	1140*1080	50
P80	2280*1080	1140*1080	60
P80	2280*1080	1140*1080	65



Density	Regular Size(Plain) (mm)	Regular Size(Punched/Grooved) (mm)	Thickness (mm)
P100	2100*1000	1050*1000	3
P100	2100*1000	1050*1000	5
P100	2100*1000	1050*1000	10
P100	2100*1000	1050*1000	15
P100	2100*1000	1050*1000	20
P100	2100*1000	1050*1000	25
P100	2100*1000	1050*1000	30
P100	2100*1000	1050*1000	40
P100	2100*1000	1050*1000	45

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P100	2100*1000	1050*1000	50
P100	2100*1000	1050*1000	60
P130	1900*900	950*900	5
P130	1900*900	950*900	10
P130	1900*900	950*900	15
P130	1900*900	950*900	20
P130	1900*900	950*900	25
P130	1900*900	950*900	30
P130	1900*900	950*900	40
P130	1900*900	950*900	50
P130	1900*900	950*900	55

Density	Regular Size(Plain) (mm)	Regular Size(Punched/Grooved) (mm)	Thickness (mm)
P200	1600*750	800*750	50
P200	1600*750	800*750	40
P200	1600*750	800*750	30
P200	1600*750	800*750	25
P200	1600*750	800*750	20
P200	1600*750	800*750	15
P200	1600*750	800*750	12
P200	1600*750	800*750	10
P200	1600*750	800*750	5
P250	1500*700	740*700	45
P250	1500*700	740*700	40
P250	1500*700	740*700	20
P250	1500*700	740*700	25
P250	1500*700	740*700	15
P250	1500*700	740*700	30
P250	1500*700	740*700	10

About Union Composites

Union Composites is a leading DNV-GL certified manufacturer specializing in high-performance structural PVC foam cores and composite materials. We provide a one-stop solution for industries such as marine, wind energy, and transportation. Our expertise in custom CNC processing and full material supply ensures optimal performance and significant cost savings for our global clients.

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