

SPECIFICATIONS FOR HIGH DENSITY PE & EVA CROSS LINKED CLOSED CELL FOAMS

PROPERTY	UNIT	PE120	PE140	PE180	PE250	EVA105	EVA120	EVA150	EVA190	EVA220	EVA260	EVA350	EVA400
Hardness	Asker C	55 - 65	58 - 70	65 - 75	68 - 80	35 - 45	38 - 46	40 - 50	50 - 58	58 - 65	62 - 72	72 - 80	75 +
Density ASTM D3575-08	kg/m ³	110 - 125	125 - 150	160 - 195	230 - 290	98 - 115	115 - 130	135 - 160	175 - 200	205 - 235	240 - 270	310 - 370	370 - 420
Tensile strength ASTM D3575-08	kPa	>1200	>1300	>1700	>2000	>1000	>1100	>1250	>1750	>1900	>2200	>2200	>2800
Elongation at Break ASTM D3575-08	%	>100	>120	>130	>150	>120	>130	>130	>180	>200	>210	>250	>250
Compression set ASTM D3575-08	%	<25	<18	<12	<12	<12	<27	<26	<26	<18	<18	<15	<15
Compressive strength (25%) ASTM D3575-08	kPa	>190	>300	>400	>400	>125	>140	>175	>225	>280	>375	>750	>900
Water absorption ASTM D3575-08	g/cm ³	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
Thermal Conductivity ASTM C518	W/mC	0.040	0.042	0.043	0.044	0.046	0.047	0.050	0.052	0.055	0.058	0.064	
Service Temperature	°C	-70/+70	-70/+70	-70/+70	-70/+70	-70/+70	-70/+60	-70/+60	-70/+60	-70/+60	-70/+60	-70/+60	-70/+60
Sheet size	cm	125 x 100	115 x 105	112 x 102	100 x 89	130 x 115	125 x 110	117 x 105	114 x 102	108 x 97	102 x 90	92 x 82	92 x 82
Thickness (± 0.5)	mm	3 - 43	3 - 40	3 - 37	3 - 33	3 - 30	3 - 30	3 - 33	3 - 38	3 - 34	3 - 33	3 - 30	3 - 22