

## PROPERTIES OF LOW DENSITY PE & EVA CROSS LINKED CLOSED CELL FOAMS

PROPERTY	UNIT	PE30	PE45	PE60	PE75	PE90	EVA30	EVA45	EVA60	EVA75	EVA90
<b>HARDNESS</b>	Asker C	18 - 25	25 - 32	33 - 40	38 - 46	47 - 54	15 - 20	18 - 25	24 - 30	27 - 35	30 - 40
<b>DENSITY</b> ASTM D3575-08	kg/m <sup>3</sup>	28 – 36	38 - 53	52 - 68	68 - 82	83 - 97	28 – 36	38 - 53	52 - 68	68 - 82	83 - 97
<b>TENSILE STRENGTH</b> ASTM D3575-08	kPa	>250	>320	>500	>750	>1000	>250	>430	>700	>850	>950
<b>ELONGATION AT BREAK</b> ASTM D3575-08	%	>100	>120	>130	>150	>160	>200	>220	>225	>250	>260
<b>COMPRESSION SET</b> ASTM D3575-08	%	<25	<18	<12	<12	<12	<27	<26	<26	<18	<18
<b>COMPRESSIVE STRENGTH (25%)</b> ASTM D3575-08	kPa	35 – 55	60 - 80	85 - 130	100 - 160	120 - 180	25 - 40	40 - 63	42 - 65	42 - 68	45 - 70
<b>WATER ABSORPTION</b> ASTM D3575-08	g/cm <sup>3</sup>	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
<b>THERMAL CONDUCTIVITY</b> ASTM C518	W/mK	0.040	0.042	0.043	0.044	0.045	0.040	0.042	0.043	0.044	0.045
<b>SERVICE TEMPERATURE</b>	°C	-70/+70	-70/+70	-70/+70	-70/+70	-70/+70	-70/+60	-70/+60	-70/+60	-70/+60	-70/+60
<b>SHEET SIZE</b>	cm	200 x 100	200 x 100	200 x 100	190 x 94	184 x 92	200 x 100	200 x 100	200 x 100	190 x 94	184 x 92
<b>NOMINAL THICKNESS RANGE</b>	mm	3 - 40	3 - 40	3 - 36	3 - 32	3 - 30	3 - 40	3 - 40	3 - 36	3 - 32	3 - 30

The properties shown above are guideline values and are not to be taken as specifications. Please contact your local Ultralon office for individual product information