

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

| PROPERTY | UNIT | PE30 | PE45 | PE60 | PE75 | PE90 | EVA30 | EVA45 | EVA60 | EVA75 | EVA90 |
|--|-------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|----------|
| HARDNESS | Asker C | 18 - 25 | 25 - 32 | 33 - 40 | 38 - 46 | 47 - 54 | 15 - 20 | 18 - 25 | 24 - 30 | 27 - 35 | 30 - 40 |
| DENSITY ASTM D3575-08 | kg/m ³ | 28 – 36 | 38 - 53 | 52 - 68 | 68 - 82 | 83 - 97 | 28 – 36 | 38 - 53 | 52 - 68 | 68 - 82 | 83 - 97 |
| TENSILE STRENGTH ASTM D3575-08 | kPa | >250 | >320 | >500 | >750 | >1000 | >250 | >430 | >700 | >850 | >950 |
| ELONGATION AT BREAK ASTM D3575-08 | % | >100 | >120 | >130 | >150 | >160 | >200 | >220 | >225 | >250 | >260 |
| COMPRESSION SET ASTM D3575-08 | % | <25 | <18 | <12 | <12 | <12 | <27 | <26 | <26 | <18 | <18 |
| COMPRESSIVE STRENGTH (25%) ASTM D3575-08 | kPa | 35 – 55 | 60 - 80 | 85 - 130 | 100 - 160 | 120 - 180 | 25 - 40 | 40 - 63 | 42 - 65 | 42 - 68 | 45 - 70 |
| 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 |
| THERMAL CONDUCTIVITY ASTM C518 | W/mK | 0.040 | 0.042 | 0.043 | 0.044 | 0.045 | 0.040 | 0.042 | 0.043 | 0.044 | 0.045 |
| SERVICE TEMPERATURE | °C | -70/+70 | -70/+70 | -70/+70 | -70/+70 | -70/+70 | -70/+60 | -70/+60 | -70/+60 | -70/+60 | -70/+60 |
| SHEET SIZE | 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 |
| THICKNESS (± 0.5) | 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