Estolan® Microcellular Elastomer

Estolan 032 100 00

Material Property	Test Method	Dimension	Value	Value	Value	Value	Value
Density	ISO 845	kg/m^3	350 ± 25	400 ± 25	450 ± 25	500 ± 25	550 ± 25
Tensile Strength	ISO 1798	N/mm^2	≥ 3,5	≥ 4,5	≥ 5,0	≥ 6,0	≥ 6,5
Elongation at Break	ISO 1798	%	> 300	>320	>350	>350	>360
Tear Resistance	ISO 34-1 B(a)	N/mm	> 8	> 10	> 11	> 12	> 12
Liquid Storage / Water Storage Change of Tensile Strenght (7d/70°C in Water)	ISO 1817	%	< 10	< 10	< 10	< 10	< 10
Liquid Storage / Water Storage Change of Elongation at Break (7d/70°C in Water)	ISO 1817	%	< 10	< 10	< 10	< 10	< 10
Heat Aging Change of Tensile Strenght (70h/100°C)	ISO 2440	%	< 10	< 10	< 10	< 10	< 10
Heat Aging Change of Elongation at Break (70h/100°C)	ISO 2440	%	< 10	< 10	< 10	< 10	< 10
Liquid Storage / Oil Storage Change of Tensile Strenght (70h/100°C in IRM 903)	ISO 1817	%	< 10	< 10	< 10	< 10	< 10
Liquid Storage / Oil Storage Change of Elongation at Break (70h/100°C in IRM 903)	ISO 1817	%	< 10	< 10	< 10	< 10	< 10
Compression Set (50x50x25 mm) 50% Compression (22h / 70°C)	ISO 1856	%	≤ 10	≤ 10	≤ 10	≤ 10	≤ 10
Compression Set (40x40x30 mm) 40% Compression (22h/80°C 2h/23°C)	ISO 1856	%	≤ 22	≤ 22	≤ 22	≤ 22	≤ 22