

VISCOELASTIC POLYURETHANE FOAM (“memory foam”)

Foam properties	VE4510	VE4515 Visco 45065	VE5010	VE5015 Visco 50060	VE5720	VE6024	VE6590	CE4016	CE4518	Test method
Rel. density (net), kg/m ³	43 – 49,5	43 – 49,5	47 - 55	47,5 – 55	54 - 62	57 - 65	62 – 71,5	37 - 45	43 – 49,5	ISO 845
Hardness (ILD, 40 %), N	35 - 55	54,6 – 75,4	35 - 55	49,2 – 70,8	50 - 80	68 - 98	255 - 345	50 - 80	50 - 80	ISO 2439
Compression set (50 %, 22 h, 70 °C), %, max.	7	7	7	7	5	5	5	25	25	ISO 1856
Resilience, %, max.	15	15	15	15	15	15	15	20	20	ISO 8307
Recovery time, s	5 - 30	* 5 - 13	5 - 30	* 5 - 13	2 - 12	2 - 12	45 - 100	5 - 35	5 - 35	*IOS-MAT-0076 (4vrs.) ----- VBI norm
Tensile strength, kPa, min.	60	60	60	65	65	60	200	35	35	ISO 1798
Elongation at break, %, min.	90	90	90	90	100	100	90	100	100	
Flammability, Max. 60 g	-	-	-	-	-	-	-	Pass	Pass	BS5852 (Crib5)