

TYPICAL PROPERTIES

Property	ISODAMP				VersaDamp			ISOLOSS		
	C-1002	C-1105	C-1100	C-8002	V-2325	V-2590	V-2599	ISOLOSS HD	SL-20100	SL-25200
Description	Vinyl Solid	Vinyl Solid	Vinyl Solid	TPE Solid	TPR Solid	TPR Solid	TPR Solid	Urethane Solid	Synthetic Rubber	Synthetic Rubber
Hardness										
ASTM D2240										
Shore A Durometer 23C (73F)										
On Impact										
5 sec impact										
15 sec impact	56	63	70	57	40	57	50	58	21	27
Flammability										
UL 94	Listed V-0 @ 0.072 cm (0.28 in)	Listed V-0 @ 0.15 cm (0.06 in)	Listed V-0 @ 0.15 cm (0.06 in)	Listed V-0 @ 0.28 cm (0.110 in)		Listed HB @ 0.32 cm (0.125 in)		Listed HB @ 0.15 cm (0.06 in)		
MVSS-302	Meets at 0.040 cm (0.015 in)		Meets at 0.15 cm (0.06 in)	Meets at 0.32 cm (0.125 in)	Meets at 0.32 cm (0.125 in)	Meets at 0.32cm (0.125 in)	Meets at 0.32 cm (0.125 in)	Meets at 0.32 cm (0.125 in)		
FAR 25.853 (a) Appendix F Part I (a) (1) (ii) (12 sec)	Meets at .152 cm (.060 in)									
Canadian Stds. Assoc. (CSA)	Listed 0.6 V-0 0.15 cm (0.06 in)		Listed 0.6 V-0 0.15 cm (0.06 in)					Listed 0.6 HB 0.32 cm (0.06 in)		
Compression Load										
Deflection kPa (psi)										
ASTM D575										
at 0.51 cm/min (0.2 in/min)										
10% kPa (psi)	490 (71)	634 (92)	1069 (155)	751 (109)	210 (30)	551 (80)	469 (68)	565 (82)	124 (18)	179 (26)
20% kPa (psi)	1682 (244)	2206 (320)	3413 (495)	1530 (222)	450 (65)	1102 (160)	855 (124)	1241 (180)	241 (35)	352 (51)
30% kPa (psi)	3682 (534)	4785 (694)	7122 (1033)	2440 (354)	817 (118)	1719 (249)	1448 (210)	2103 (305)	393 (57)	565 (82)
Compression Set (%)										
ASTM D395 Method B										
22 hr at 22C (72F)	14	23	24	18	15	15	16	4.5	3	5
22 hr at 70C (158F) *50C (122F)	62	51	55	66*	26	26	32	6.1	8	8
22 hr at 90C (194F)						30		7.9		
Tensile Strength kPa (psi)										
ASTM D412	10852 (1574)	12459 (1807)	14190 (2058)	7930 (1150)	2620 (380)	4502 (653)	4930 (715)	8963 (1300)	3653 (530)	4384 (636)
Tear Strength kN/m (lbf/in)										
ASTM D624	35 (202)	42 (241)	53 (305)	30 (173)	10.2 (58)	23.1 (132)	21.5 (123)	38 (218)	12.2 (69)	15.6 (88)
Temperature Range C (F)										
Peak Damping	13C to 41C (55F to 105F)	27C to 54C (80F to 130F)	35C to 63C (95F to 145F)	17C to 41C (62F-105F)	-40C to 50C (-40F to 122F)	-40C to 50C (-40F to 122F)	-40C to 50C (-40F to 122F)	13C to 41C (55F to 105F)	@1,000 HZ 8C to 51C (46F to 123F)	@1,000 HZ 8C to 45C (46F to 113F)
Performance Temperature Range										
Recommended Maximum	82C (180F)	82C (180F)	82C (180F)	80C (176F)	125C (257F)	125C (257F)	125C (257F)	107C (225F)	100C (212F)	100C (212F)
Intermittent Temperature										
Maximum Continuous	70C (158F)	70C (158F)	70C (158F)	70C (158F)	100C (212F)	100C (212F)	100C (212F)	90C (194F)	70C (158F)	70C (158F)
Service Temperature										
RoHS Compliant	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes



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