



Onda Corporation
 592 Weddell Drive, Suite 7, Sunnyvale, CA 94089
 PH: (408) 745 - 0383 FAX: (408) 745 - 0956

Acoustic Properties of Rubbers

Ref	Material	Vendor	V _L mm/: s	D g/cm ³	Z _L MRayl	Loss dB/cm
	Adiprene LW-520	Uni	1.68	1.16	1.94	
	Butyl rubber		1.80	1.11	2.0	
AS	Dow Silastic Rubber GP45, 45 Durometer	MPC	1.02	1.14	1.16	23.4 @ 4
AS	Dow Silastic Rubber GP70, 70 Durometer	MPC	1.04	1.25	1.30	33.7 @ 4
AS	Ecogel 1265, 100PHA OF B, outgass, 80C	EC	1.96	1.10	2.16	33.4 @ 2
AS	Ecogel 1265, 100PHA OF B, 100PHA Alumina, R4	EC,B	1.70	1.40	2.38	>24.0 @ 1.3
AS	Ecogel 1265, 100PHA OF B, 1940PHA T1167, R4	EC,C	1.32	9.19	12.16	14 @ 0.4
	Ecothane CPC-39	EC	1.53	1.06	1.63	
	Ecothane CPC-41	EC	1.52	1.01	1.54	
	Neoprene		1.6	1.31	2.1	
AS	Pellathane, Thermoplastic Urethane Rubber (55D durometer)	Upj	2.18	1.20	2.62	32.0 @ 5
AS	Polyurethane, GC1090	Gall	1.76	1.11	1.96	46.1 @ 4
BB	Polyurethane, RP-6400	REN	1.50	1.04	1.56	
BB	Polyurethane, RP-6401	REN	1.63	1.07	1.74	
LP	Polyurethane, RP-6401	REN	1.71	1.07	1.83	100 @ 5
BB	Polyurethane, RP-6402	REN	1.77	1.08	1.91	
BB	Polyurethane, RP-6403	REN	1.87	1.10	2.05	
BB	Polyurethane, RP-6405	REN	2.09	1.30	2.36	
BB	Polyurethane, RP-6410	REN	1.33	1.04	1.38	
LP	Polyurethane, RP-6410	REN	1.49	1.04	1.55	73.0 @ 5
BB	Polyurethane, RP-6413	REN	1.65	1.04	1.71	
LP	Polyurethane, RP-6413	REN	1.71	1.04	1.78	35.2 @ 5
BB	Polyurethane, RP-6414	REN	1.78	1.05	1.86	
LP	Polyurethane, RP-6414	REN	1.85	1.04	1.92	35.2 @ 5
BB	Polyurethane, RP-6422	REN	1.60	1.04	1.66	
LP	Polyurethane, RP-6422	REN	1.62	1.04	1.68	27.6 @ 5
AS	PR-1201-Q (MEDIUM), PHR 10, RT Cure	PRC	1.45	1.79	2.59	12.2 @ 2
	RTV-11	GE,RS	1.05	1.18	1.24	2.5 @ 0.8
	RTV-21	GE,RS	1.01	1.31	1.32	2.8 @ 0.8
	RTV-30	GE	0.97	1.45	1.41	2.8 @ 0.8
	RTV-41	GE,RS	1.01	1.31	1.32	3.2 @ 0.8



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	RTV-60	GE,RS	0.96	1.47	1.41	2.8 @ 0.8
AS	RTV-60/0.5% DBT @ 5.00 MHz	GE, RS	0.92	1.49	1.37	34.0 @ 5.00
AS	RTV-60/0.5% DBT @ 2.25 MHz	GE, RS	0.92	1.49	1.37	11.25 @ 2.25
AS	RTV-60/0.5% DBT @ 1.00 MHz	GE, RS	0.92	1.49	1.37	3.69 @ 1.00
AS	RTV-60/0.5% DBT @ 5.00MHz/10 PHR Toluene	GE, RS	0.92	1.48	1.36	43.2 @ 5.00
AS	RTV-60/0.5% DBT @ 2.25MHz/10 PHR Toluene	GE, RS	0.91	1.48	1.35	10.8 @ 2.25
AS	RTV-60/0.5% DBT @ 1.00MHz/10 PHR Toluene	GE, RS	0.91	1.48	1.35	3.76 @ 1.00
AS	RTV-60/0.5% DBT @ 2.25MHz/5 PHR Vitreous C	GE, RS, A	0.94	1.49	1.41	22.2 @ 2.25
AS	RTV-60/0.5% DBT @ 2.25MHz/10 PHR Vitreous C	GE, RS, A	0.96	1.51	1.45	13.1 @ 2.25
AS	RTV-60/0.5% DBT @ 1.00MHz/13.6 PHR W, R11	GE, RS, C	0.86	1.68	1.44	
AS	RTV-60/0.5% DBT @ 1.00MHz/21.3 PHR W, R11	GE, RS, C	0.83	1.87	1.55	
AS	RTV-60/0.5% DBT @ 1.00MHz/40.8 PHR W, R11	GE, RS, C	0.80	2.04	1.64	
AS	RTV-60/0.5% DBT @ 1.00MHz/69.5 PHR W, R11	GE, RS, C	0.73	2.39	1.73	
AS	RTV-60/0.5% DBT @ 1.00MHz/85.2 PHR W, R11	GE, RS, C	0.71	2.52	1.78	
AS	RTV-60/0.5% DBT @ 1.00MHz/100.0 PHR W, R11	GE, RS, C	0.69	2.75	1.89	
AS	RTV-60/0.5% DBT @ 1.00MHz/117.4 PHR W, R11	GE, RS, C	0.67	2.83	1.88	
	RTV-77	GE	1.02	1.33	1.36	3.2 @ 0.8
	RTV-90	GE	0.96	1.5	1.44	4.2 @ 0.8
	RTV-112	GE,RS	0.94	1.05	0.99	
	RTV-116	GE,RS	1.02	1.10	1.12	
	RTV-118	GE,RS	1.03	1.04	1.07	
	RTV-511	GE,RS	1.11	1.18	1.31	2.5 @ 0.8
AS	RTV-560, 0.6% DBT	GE,RS	0.99	1.41	1.40	2.2 @ 0.8, 8.4 @ 2
	RTV-577	GE,RS	1.08	1.35	1.46	3.8 @ 0.8
	RTV-602	GE	1.16	1.02	1.18	4.35 @ 0.8
	RTV-615, use with 4155 primer	GE,RS	1.08	1.02	1.10	1 @ 0.8
	RTV-616	GE,RS	1.06	1.22	1.29	2.2 @ 0.8
	RTV-630	GE,RS	1.05	1.24	1.30	
AS	SOAB	BFG	1.60	1.09	1.74	15.5 @ 1
JF	Silly Putty, very lossy, hard to measure		1.0	1.0	1.0	
JA	Sylgard 170, a silicon rubber		0.974	1.38	1.34	



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JA	Sylgard 182	E	1.027	1.05	1.07	
JA	Sylgard 184	E	1.027	1.05	1.04	
JA	Sylgard 186	E	1.027	1.12	1.15	