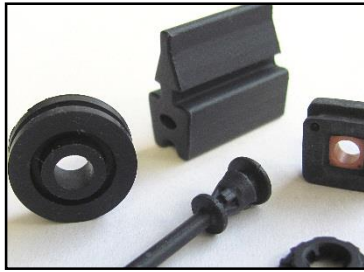


ISODAMP™ C-6000 Series Materials



- ISODAMP C-6000 series is a highly damped thermoplastic vulcanizate, or TPV. It is available in 3 durometers in parts and assemblies
- ISODAMP C-6000 Isolator parts and assemblies are used to enhance performance and protect electronic and mechanical devices from shock, vibration and noise.
- ISODAMP C-6000 series parts are Halogen-free (per IEC 61249-2-21), complies with REACH substances of very high concern free (as of June 2015), meets JIG -101 and is RoHS 2 compliant

Typical Properties	C-6040	C-6050	C-6060
Hardness, ASTM D2240 (Type A, 15 sec, 1 kg, 23C (72F))	40	50	60
Compression Force Deflection kPa (psi) ASTM D575 @ 0.51cm/min (0.2 in/min)			
10%	270 (39)	410 (59)	580 (84)
20%	500 (73)	750 (110)	1100 (150)
30%	800 (120)	1200 (170)	1600 (240)
Compression Set ASTM D395, Method B			
25% @ 22C (72F)	20%	20%	25%
25% @ 70C (158F)	50%	50%	50%
Abrasion H22 wheels, 1000 cycles, 1000 grams load weight ASTM D3390, weight loss per revolution (mg)	0.6 mg	0.3 mg	0.5 mg
Tensile Strength kPa (psi) ASTM D412	400	550	700
Tear C kN/m (ppi) ASTM D624	90	110	130
Temperature Range C (F) Peak Damping Performance Temperature Range			
@ 10 Hz	-19°C to 14°C	-17°C to 24°C	-12°C to 29°C
@ 100 Hz	-15°C to 26°C	-12°C to 36°C	-8°C to 38°C
@ 1000 Hz	-10°C to 38°C	-8°C to 46°C	-3°C to 48°C
Dynamic Properties via DMA , 20°C			
Tan δ @ 10 Hz	0.3	0.3	0.4
Tan δ @ 100 Hz	0.5	0.5	0.6
Tan δ @ 1000 Hz	0.8	0.8	0.8
Flammability			
UL 94 6mm Thickness	Meets V-0	Meets V-0	Meets V-0
RoHS Compliant	Yes	Yes	Yes

The above technical information and data should be considered representative or typical only and should not be used for specification purposes.

Technical Information: The technical information, recommendations and other statements contained in this document are based upon tests or experience that Aearo Technologies believes are reliable, but the accuracy or completeness of such information is not guaranteed.

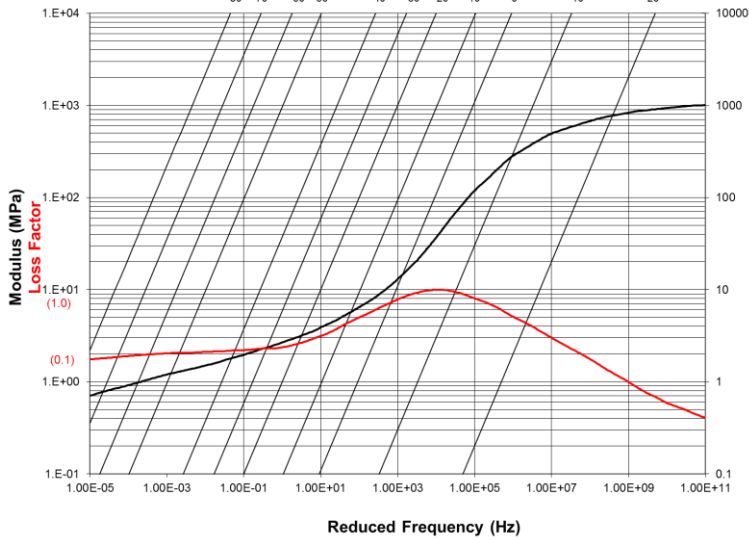
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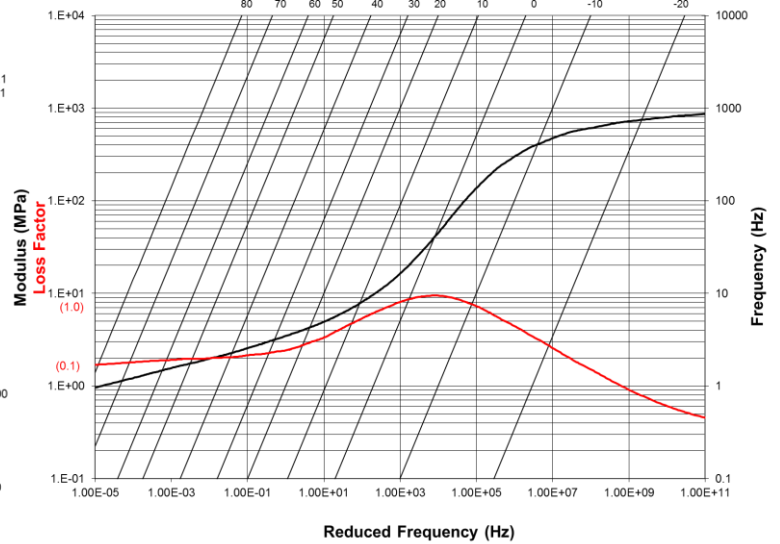
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ISODAMP™ C-6000 Series Molding Materials

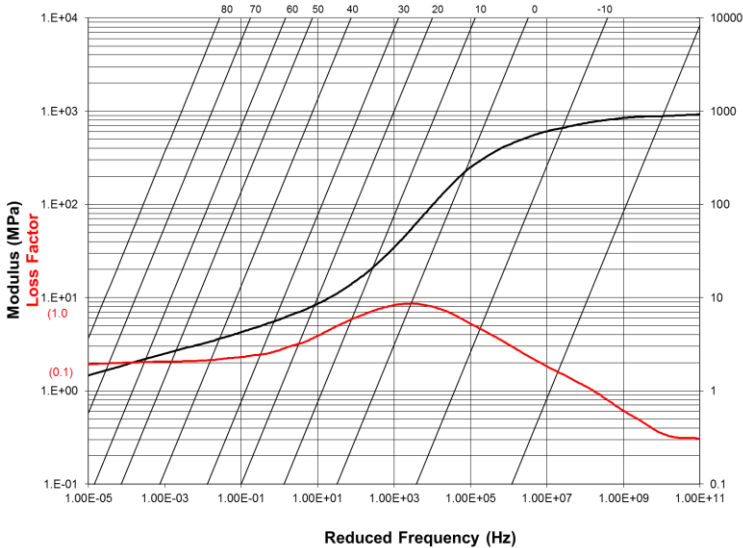
Nomogram ISODAMP™ C-6040



Nomogram ISODAMP™ C-6050



Nomogram ISODAMP™ C-6060



Shock, Noise and Vibration Solutions

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