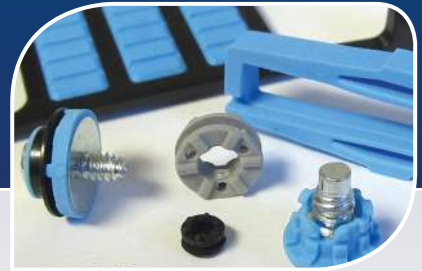




ISODAMP™ C-8000 SERIES

Material Summary Sheet 51



Offering solutions for a wide range of applications such as...

Computer & Peripheral
Server/Data Center
Smartphone & Tablet
IoT Devices

ISODAMP™ C-8000 SERIES

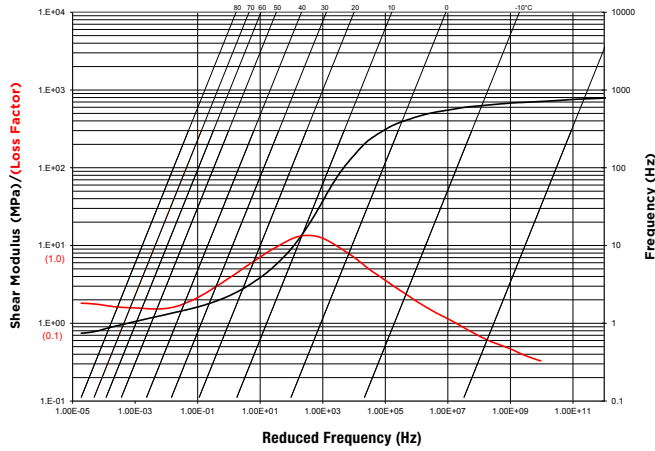
- Highly damped thermoplastic molded products for noise, shock and vibration control
- RoHS Compliant
- Non-halogenated
- Listed UL 94 V-0 flame rating
- Available in durometers from 40 to 88 Type A

TYPICAL PROPERTIES				
PROPERTY	C-8012	C-8002	C-8070	C-8130
Description	TPE Solid Thermoplastic	TPE Solid Thermoplastic	TPE Solid Thermoplastic	TPE Solid Thermoplastic
Hardness ASTM D2240 Type A Durometer 23C (73F) 15 sec impact	40	51	70	88
Compression Load Deflection kPa (psi) ASTM D575 at 0.51 cm/min (0.2 in/min) 10% kPa (psi)	324 (47)	455 (66)	951 (138)	3619 (525)
20% kPa (psi)	627 (91)	883 (128)	1799 (261)	6494 (942)
30% kPa (psi)	958 (139)	1358 (197)	2799 (406)	9087 (1318)
Compression Set (%) ASTM D395 Method B 22 hr at 22C (72F)	12	15	15	35
22 hr at 70C (158F)	100	99	98	90
Tensile Strength kPa (psi) ASTM D412	3309 (480)	5309 (770)	10059 (1459)	11279 (1636)
Tear Strength kN/m (lbf/in) ASTM D624	18 (100)	25 (141)	50 (285)	72 (410)
Temperature Range C Peak Damping Performance Temperature Range				
@ 10 Hz	-26 to 22	-6 to 37	4 to 42	5 to 27
@ 100 Hz	-19 to 35	-2 to 50	8 to 53	10 to 34
@ 1000 Hz	-13 to 55	4 to 71	14 to 68	16 to 41
Flammability UL 94	Listed V-0 @ 6 mm (0.24 in)	Listed V-0 @ 3.4 mm (0.13 in)	Listed V-0 @ 3.2 mm (0.125 in)	Listed V-0 @ 3.5 mm (0.14 in)
RoHS Compliant	Yes	Yes	Yes	Yes
Halogen Free*	Yes	Yes	Yes	Yes

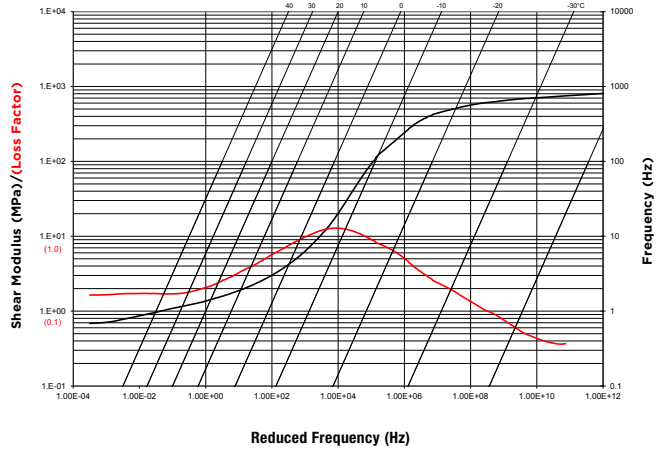
The above technical information and data should be considered representative or typical only and should not be used for specification purpose.

**Halogen-free per IEC 61249-2-21.

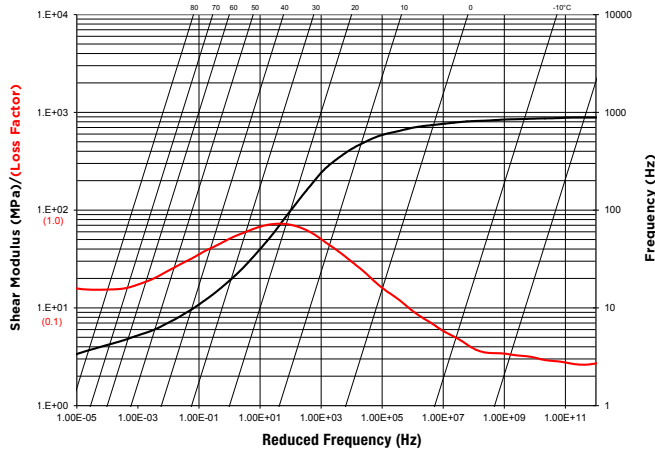
C-8012



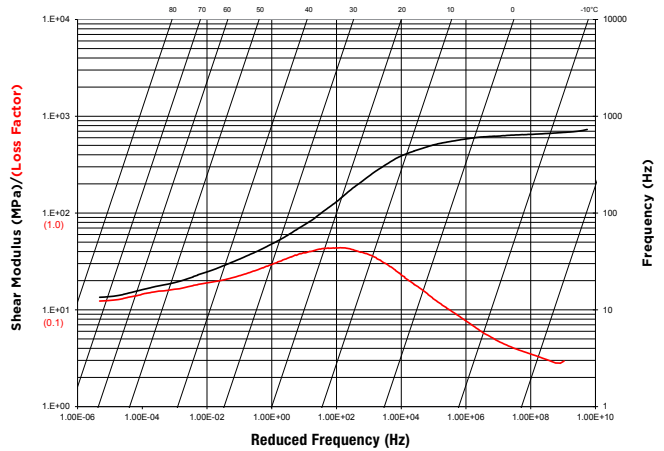
C-8002



C-8070



C-8130



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