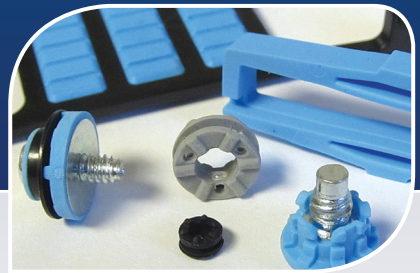
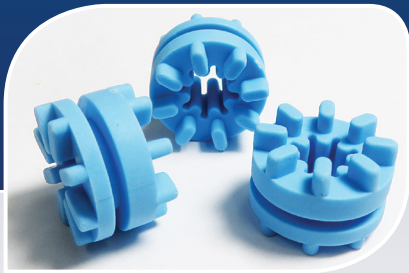




## ISODAMP™ C-8000 SERIES

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**

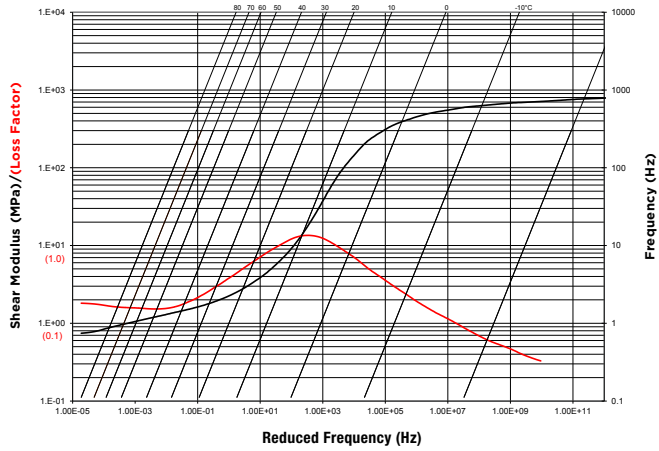
- Highly damped thermoplastic molded products for noise, shock and vibration control
- RoHS Compliant
- Non-halogenated
- Listed UL 94 V-0 flame rating
- Available in durometers from 40 to 88 Type A

TYPICAL PROPERTIES				
PROPERTY	C-8012	C-8002	C-8070	C-8130
<b>Description</b>	TPE Solid Thermoplastic	TPE Solid Thermoplastic	TPE Solid Thermoplastic	TPE Solid Thermoplastic
<b>Hardness</b> ASTM D2240 Type A Durometer 23C (73F) 15 sec impact	40	51	70	88
<b>Compression Load Deflection kPa (psi)</b> 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)
<b>Compression Set (%)</b> ASTM D395 Method B 22 hr at 22C (72F)	12	15	15	35
22 hr at 70C (158F)	100	99	98	90
<b>Tensile Strength kPa (psi)</b> ASTM D412	3309 (480)	5309 (770)	10059 (1459)	11279 (1636)
<b>Tear Strength kN/m (lbf/in)</b> ASTM D624	18 (100)	25 (141)	50 (285)	72 (410)
<b>Temperature Range C</b> <b>Peak Damping Performance</b> <b>Temperature Range</b>				
@ 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
<b>Flammability</b> 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)
<b>RoHS Compliant</b>	Yes	Yes	Yes	Yes
<b>Halogen Free*</b>	Yes	Yes	Yes	Yes

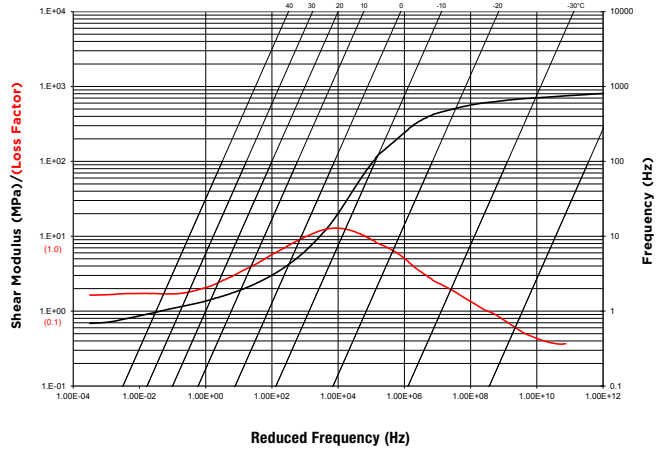
The above technical information and data should be considered representative or typical only and should not be used for specification purpose.

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

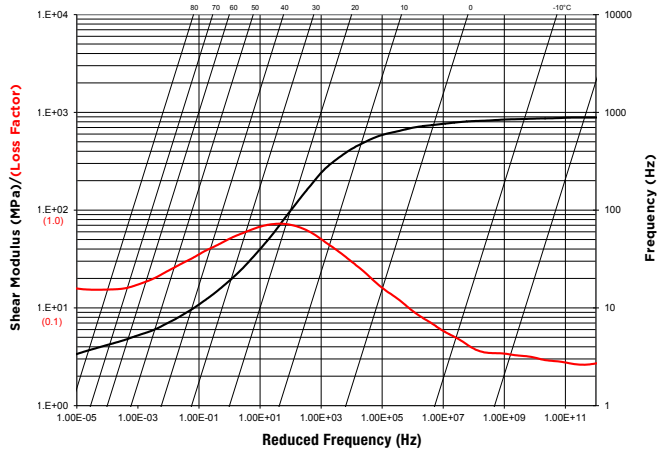
**C-8012**



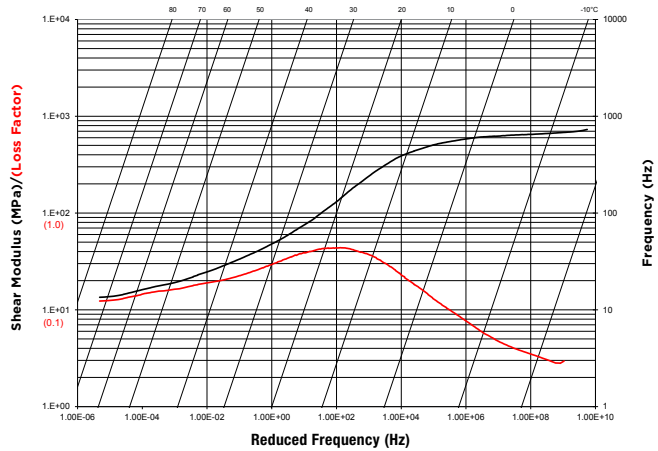
**C-8002**



**C-8070**



**C-8130**



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