



## ISOLOSS™ SL MATERIALS

Material Summary Sheet 52



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

Server/Data Center  
Rugged Laptop, Tablet, & Smartphone  
Computer & Peripheral  
Drone/UAV

**ISOLOSS™ SL MATERIALS**

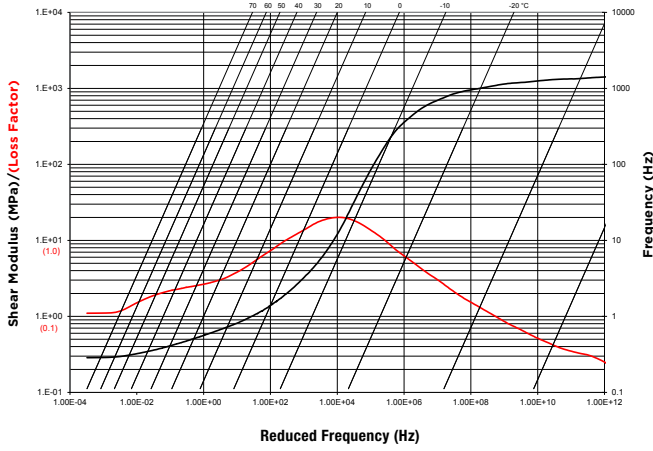
- Highly damped thermoset molded products for noise, shock and vibration control
- RoHS Compliant
- Non-halogenated
- Available in durometers from 20 to 60 Type A
- Available in listed UL 94 and non-listed formulations

TYPICAL PROPERTIES				
PROPERTY	SL-20300	SL-35300	SL-50300	SL-60300
<b>Description</b>	Synthetic Rubber	Synthetic Rubber	Synthetic Rubber	Synthetic Rubber
<b>Hardness</b> ASTM D2240 Type A Durometer 23C (73F) 15 sec impact	19	30	45	56
<b>Compression Load Deflection kPa (psi)</b> ASTM D575 at 0.51 cm/min (0.2 in/min) 10% kPa (psi)	117 (17)	193 (28)	338 (49)	517 (68)
20% kPa (psi)	221 (32)	379 (55)	669 (97)	1013 (132)
30% kPa (psi)	352 (51)	607 (88)	1096 (159)	1689 (222)
<b>Compression Set (%)</b> ASTM D395 Method B 22 hr at 22C (72F)	3	4	2	3
22 hr at 70C (158F)	7	6	7	4
<b>Tensile Strength kPa (psi)</b> ASTM D412	4185 (600)	5667 (822)	10149 (1472)	10721 (1555)
<b>Tear Strength kN/m (lbf/in)</b> ASTM D624	11.4 (65)	20.1 (115)	18.9 (108)	24.15 (138)
<b>Temperature Range C</b> <b>Peak Damping Performance</b> <b>Temperature Range</b>				
@ 10 Hz	-23 to 29	-21 to 30	-5 to 42	-10 to 35
@ 100 Hz	-18 to 47	-16 to 47	-2 to 63	-4 to 47
@ 1000 Hz	-14 to 71	-12 to 72	4 to 82	1 to 60
<b>Flammability</b> UL 94	Listed HB @ 2.3-2.5 mm	Meets HB @ 3.0 mm	Listed HB @ 3.0 mm	Meets HB @ 3.0 mm
<b>RoHS Compliant</b>	Yes	Yes	Yes	Yes
<b>Halogen Free*</b>	Yes	Yes	Yes	Yes

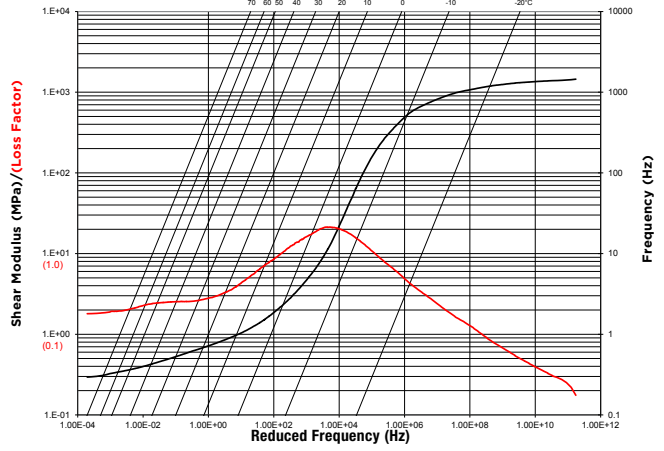
The above technical information and data should be considered representative or typical only and should not be used for specification purpose.

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

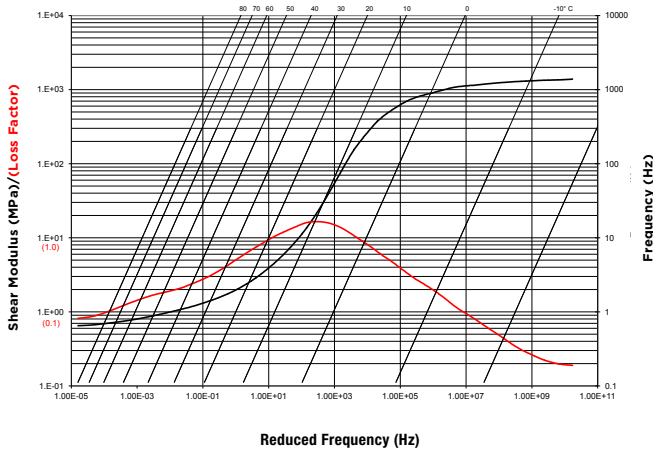
**SL-20300**



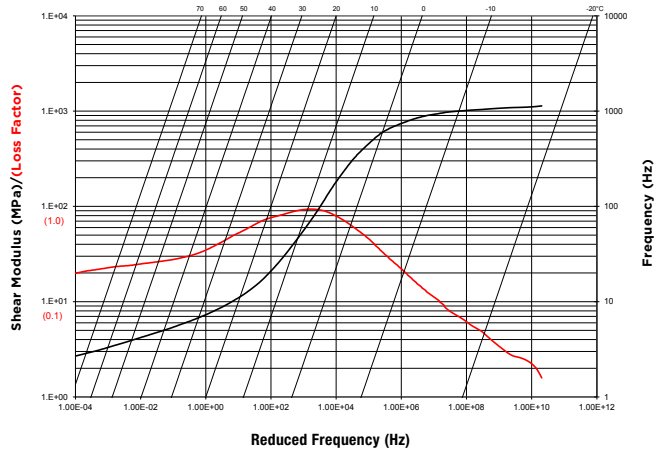
**SL-35300**



**SL-50300**



**SL-60300**



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