



ISOLOSS™ SL MOLDING MATERIALS

Material Summary Sheet 12



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

Lab and office equipment
Computers and peripherals
Telecommunications and electronics
Industrial equipment
Disk drives

ISOLOSS™ SL Molding Materials

ISOLOSS SL series elastomers are highly damped, low modulus, thermoset compounds with exceptional molding stability. The material exhibits high internal damping, excellent resistance to creep and compression and can be metal-bonded during molding.

- Halogen-free per IEC 61249-2-21
- RoHS Compliant
- Highly damped thermoset product for noise, shock and vibration control

TYPICAL PROPERTIES				
PROPERTY	SL-20300	SL-35300	SL-50300	SL-60300
Description	Synthetic Rubber	Synthetic Rubber	Synthetic Rubber	Synthetic Rubber
Hardness ASTM D2240 Type A Durometer 23C (73F) 5 sec impact 15 sec impact	21 19	31 30	47 45	58 56
Flammability UL 94	Listed HB @ 2.3mm-2.5mm	Meets HB @ 3mm	Listed HB @ 3mm	Meets HB @ 3mm
Compression Load Deflection kPa (psi) ASTM D575 at 0.51 cm/min (0.2 in/min) 10% kPa (psi) 20% kPa (psi) 30% kPa (psi)	117 (17) 221 (32) 352 (51)	193 (28) 379 (55) 607 (88)	338 (49) 669 (97) 1096 (159)	517 (68) 1013 (132) 1689 (222)
Compression Set (%) ASTM D395 Method B 22 hr at 22C (72F) 22 hr at 70C (158F)	3 7	4 6	2 7	3 4
Tensile Strength kPa (psi) ASTM D412	4185 (600)	5667 (822)	10149 (1472)	10721 (1555)
Tear Strength kN/m (lbf/in) ASTM D624	11.4 (65)	20.1 (115)	18.9 (108)	24.15 (138)
Temperature Range C Peak Damping Performance Temperature Range @ 10 Hz @ 100 Hz @ 1000 Hz	-23 to 29 -18 to 47 -14 to 71	-21 to 30 -16 to 47 -12 to 72	-5 to 42 -2 to 63 4 to 82	-10 to 35 -4 to 47 -4 to 47
RoHS Compliant	Yes	Yes	Yes	Yes

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