

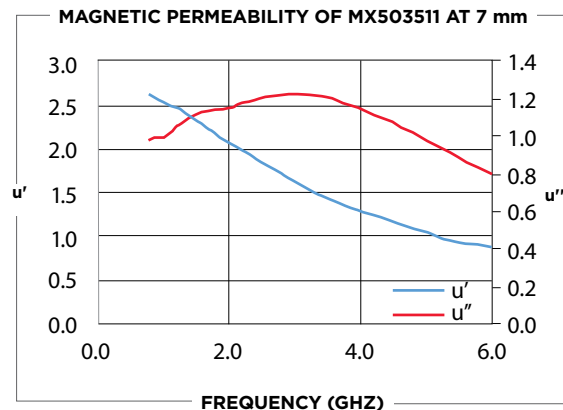
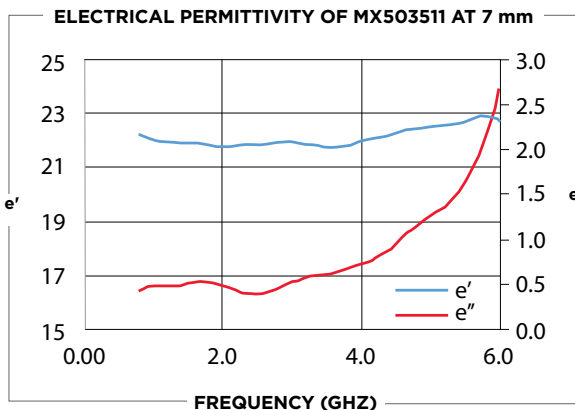


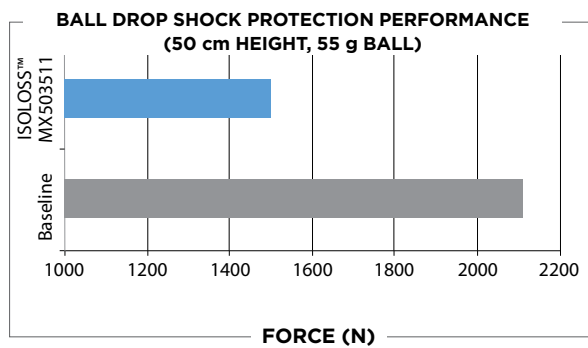
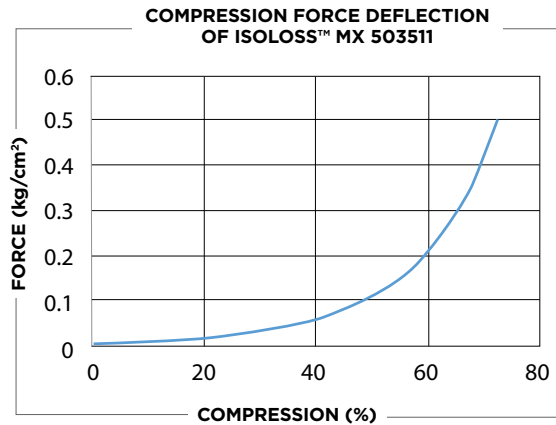
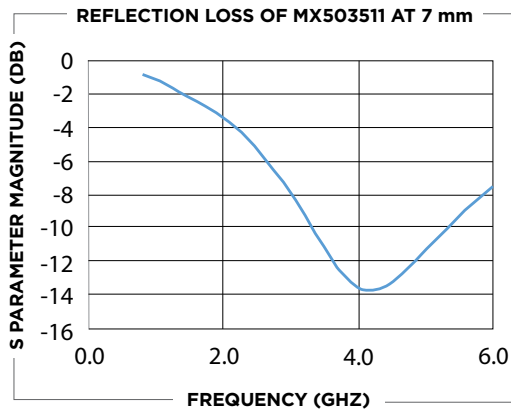
Product Description

Custom engineered material for use in noise, shock and vibration control in applications requiring electromagnetic absorbing performance and suppression of radiated electrical noise. ISOLOSS MX damped material contains flexible soft metal flakes as filler loaded into polymer.

TYPICAL PROPERTIES (PLAQUES)	ISOLOSS™ MX503511
Hardness , ASTM D2240 Type A Durometer, 15 second impact	53
Compressive Force Deflection ASTM D575 at 0.51 cm/min (0.2 in./min) 10% kPA (psi) 20% kPA (psi) 30% kPA (psi)	3454 (501) 7260 (1053) 11796 (1711)
Compression Set (%), ASTM D395 Method B 22 hours at 23°C (73°F) 22 hours at 70°C (158°F)	10.5 14.1
Thermal Conductivity , W/m-K ASTM C518 on Netzsch HF1-436 Heat Flow Meter at 20°C	0.06991
Thermal Modulus , ASTM D412 at 100% psi at 200% psi	362 561
Tensile Strength (psi), ASTM D412	606
Tensile Elongation (%)	269
Abrasion Resistance Taber Abrasion: CS-17 wheel with 1,000 gram load, % wt. loss per	0.51% (1,000 cycles)
Magnetic Filler Base	Fe Alloy
Temperature Range , °C Peak Damping Performance	-60°C to > +125°C
IR Absorption Depth of Penetration 0.25 to 1 micron	Opaque @ > 1 micron
Surface Resistivity (Ohms/Square)	2.3E + 11 Ω/sq at 100 mVolts
Volume Resistivity (Ohms/cm)	3.5E + 12 Ω/cm at 100 mVolts
UL	Meets HBF
ROHS Compliant	Yes
Halogen Free	Yes (per IEC 61249-2-21)
PBDE	Pass

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





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