



DECI-DAMP S15 Extensional Vibration Damping Sheet

DECI-DAMP S15 damping sheet is an economical, thin and lightweight vibration damping material. It provides cost and weight effective damping for steady state and transient (impact) vibration.

DECI-DAMP S15 has a pressure sensitive adhesive backing Radical 2252A for easy installation.

Formulated with the latest polymer blend and alloy technology, DECI-DAMP S15 is completely migration resistant and free of extraction and volatility. Consequently it may be used in conjunction with conventional contact adhesives or self adhesive tapes.

DECI-DAMP S15 thermoplastic alloy's strength, clickability and pliability make it easy to die-cut and shape to flat or curved surfaces without cracking or tearing.

It is used for extensional (free-layer) damping of lightweight metal and plastic constructions. Its weight efficiency and good flammability properties make it ideal for use in most electromechanical systems where damping is required to reduce impact and resonance-induced noise or mechanical disturbances.

FEATURES

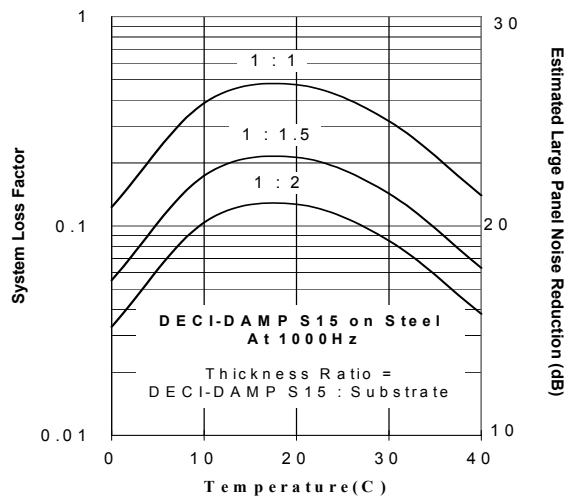
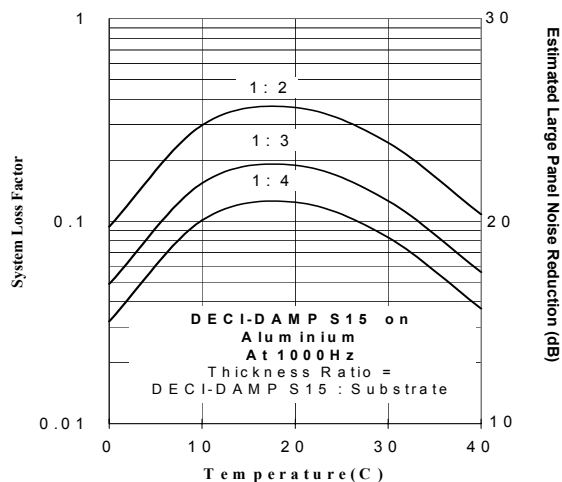
- High loss factor and high modulus
- Low flammability
- Chemical resistant
- Self adhesive with Radical 2252A
- Light weight and maximum performance
- Suitable for outdoor exposure

APPLICATIONS

- Sheet metal and plastic fabrications
- Computer peripherals
- Office equipment
- Medical equipment
- Communications equipment
- Boat hulls and bulkheads
- Plastic housings

BENEFITS

- Excellent flame resistance
- Easy to install
- Excellent clickability
- Reduces resonant vibration
- Eliminates tinniness and ringing
- Ideal for weight sensitive applications
- Home appliances



STANDARD PRODUCT CODES

STANDARD PRODUCT	NOMINAL THICKNESS	Product width	WEIGHT
DECI-DAMP S15-1A	1.0 mm	1500mm	1.60 Kg/m ²
DECI-DAMP S15-2A	2.0 mm	1200mm	3.20 Kg/m ²

FLAMMABILITY PROPERTIES

MATERIAL	UL 94	MVSS-302	SAEJ369a
DECI-DAMP S15	94V-0	Complies	Complies

MECHANICAL PROPERTIES

MATERIAL	Specific Gravity ASTM D792	Shore D-2 Durometer ASTM D792
DECI-DAMP S15	>1.8	>50

ADHESION PROPERTIES

MATERIAL	Peel Strength (180°/ Stainless Steel) (N/25mm)	Minimum Application Temperature (°C)	Maximum Continuous Operation Temperature (°C)	Maximum Intermittent Operation Temperature (°C)
DECI-DAMP S15	>30	10	110	130

CHEMICAL RESISTANCE

MATERIAL	ACETONE	MEK	PETROL	DIESEL	10% HCL SOLUT.	10% NaOH Solution	Carbon tetra- chloride
DECI-DAMP S15	Excellent	Good	Excellent	Excellent	Excellent	Excellent	Excellent

NOTES: Specifications are subject to change without notice.

The data listed in this data sheet are typical or average values based on tests conducted by independent laboratories or by the manufacturer. They are indicative only of the results obtained in such tests and should not be considered as guaranteed maximums or minimums. Materials must be tested under actual service to determine their suitability for a particular purpose.



**Commercial
In
Confidence**

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