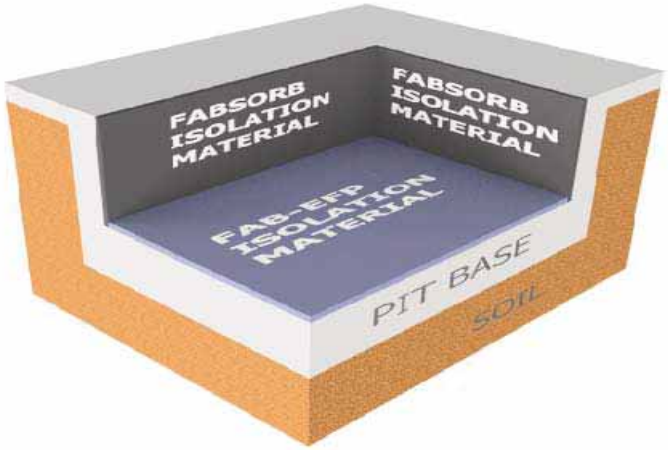
FAB-EFP® Isolation Material

FAB-EFP® is a cost-effective, environmentally friendly isolation material created from recycled products. The material comes in large sheets for easy installation, with a wide load range, producing consistent performance. There are several different densities available for an extensive range of applications from isolating inertia masses and buildings, to industrial equipment.



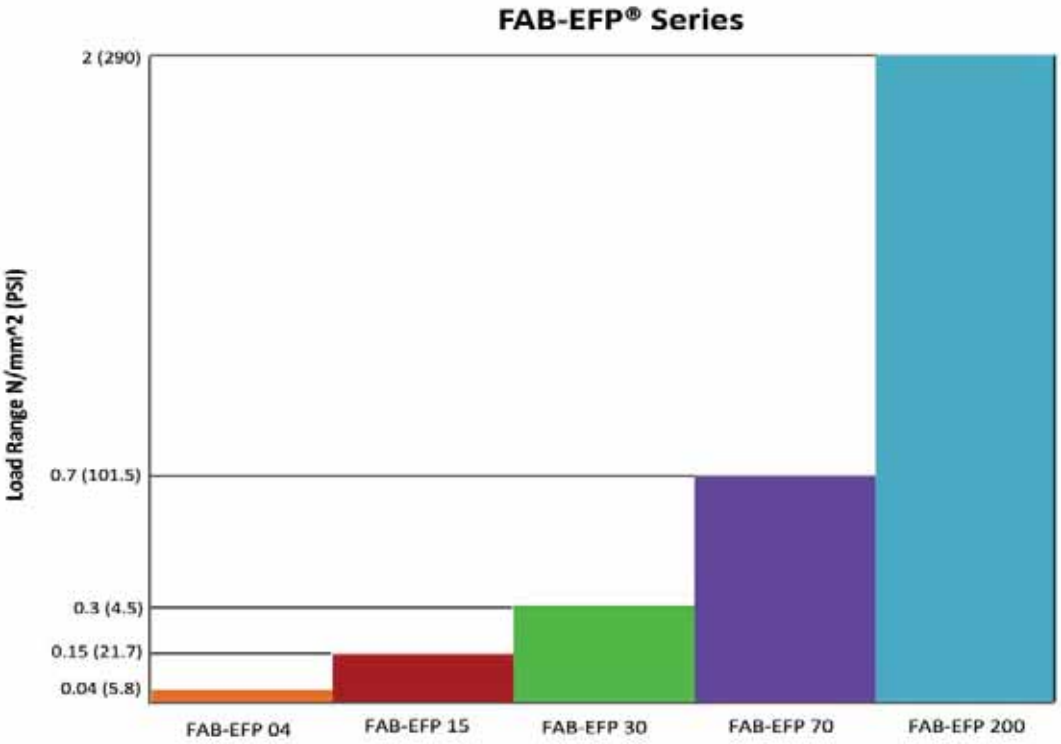
FAB-EFP is manufactured in different densities to offer the benefit of vibration isolation for a wide scope of applications. The damping coefficient remains constant over all densities, and has converging natural frequency over large loading ranges for consistent performance.

FAB-EFP can achieve a natural frequency of 11 Hz at two inches thick for superior isolation and proves to be resistant to most chemicals and oils.

FAB-EFP is supplied in full sheets for easy installation and is typically used for the base formwork in concrete foundations. The material can be cut to size in the field for other uses such as industrial machine footings, building support bases, and light rail applications.

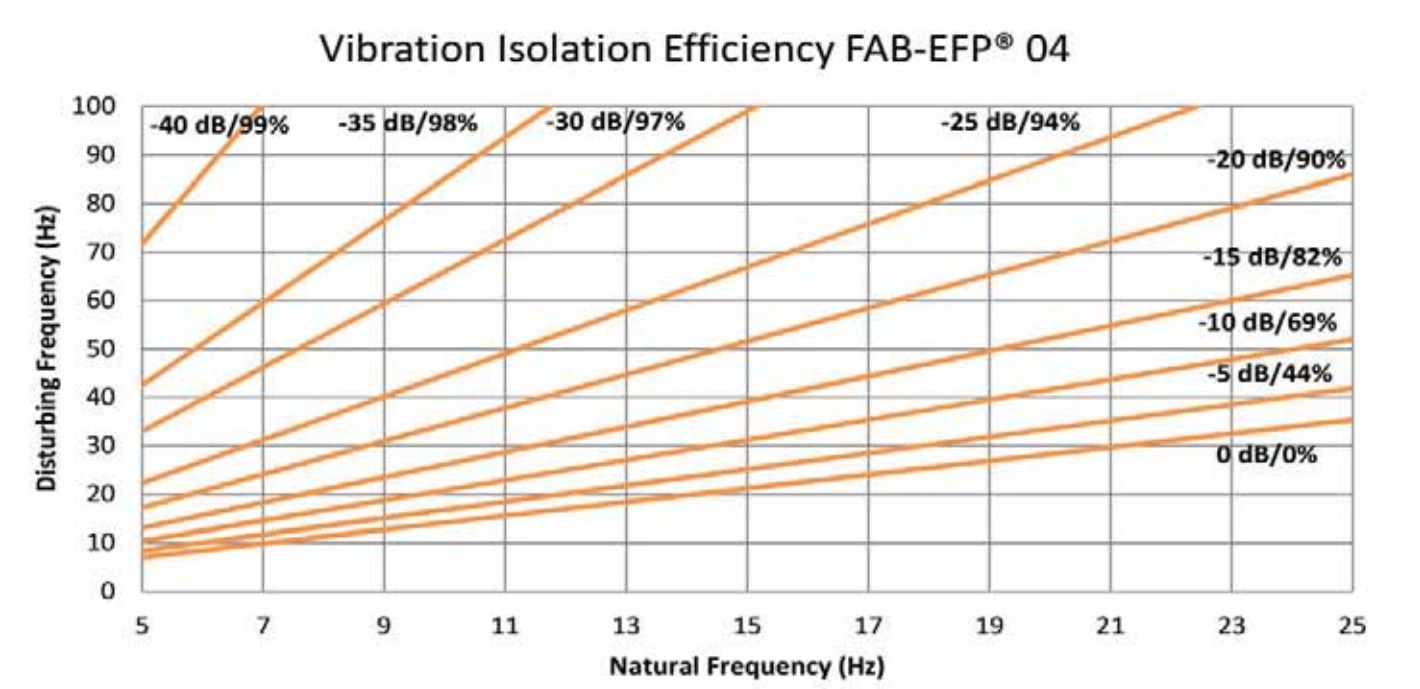
As with all non-linear elastomeric isolators, FAB-EFP material becomes stiffer under dynamic loading compared to static loading. The degree of stiffness depends on the material's density and the applied load. Static and dynamic loading must remain in the recommended operating range for a long life expectancy.

As with all elastomeric materials, permanent static loads cause the material to creep (relax and deflect) over time. Long term creep testing of the FAB-EFP material has shown low amounts of deflection over the material's expected life cycle.

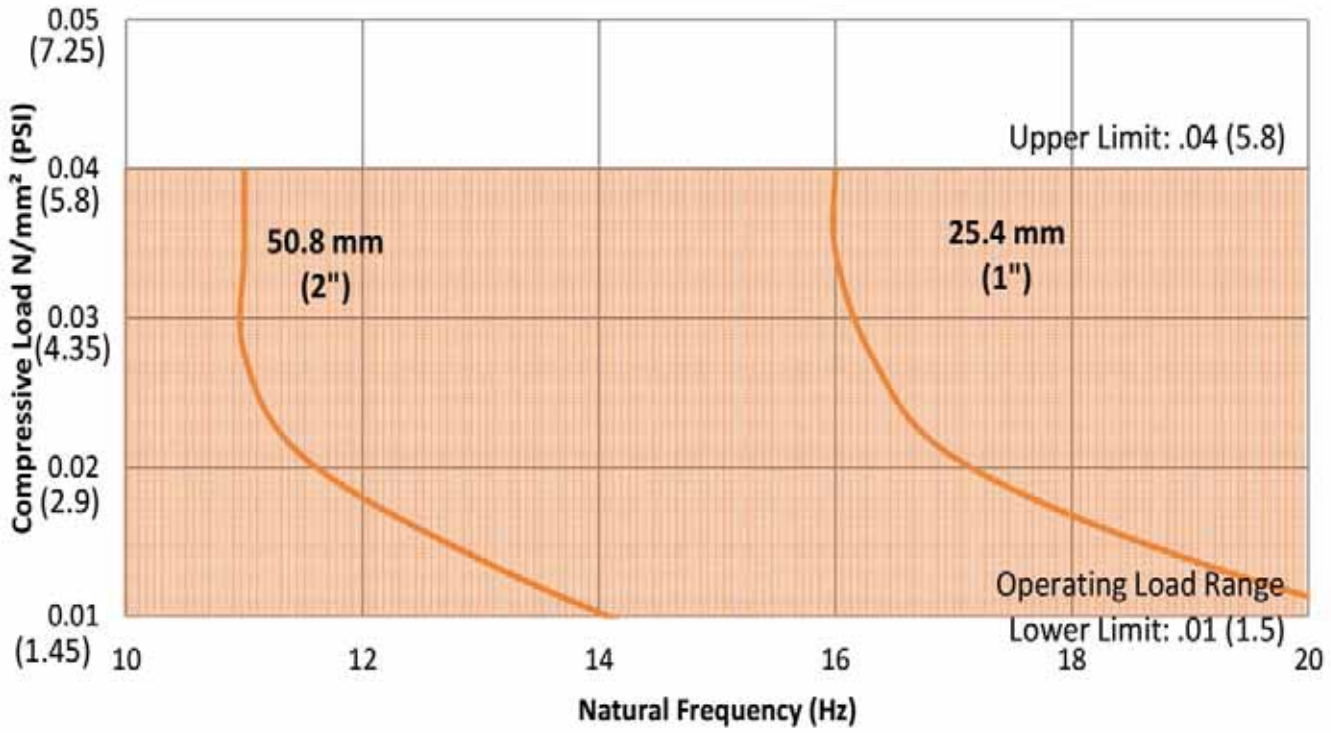


FAB-EFP® 04 Material Specification

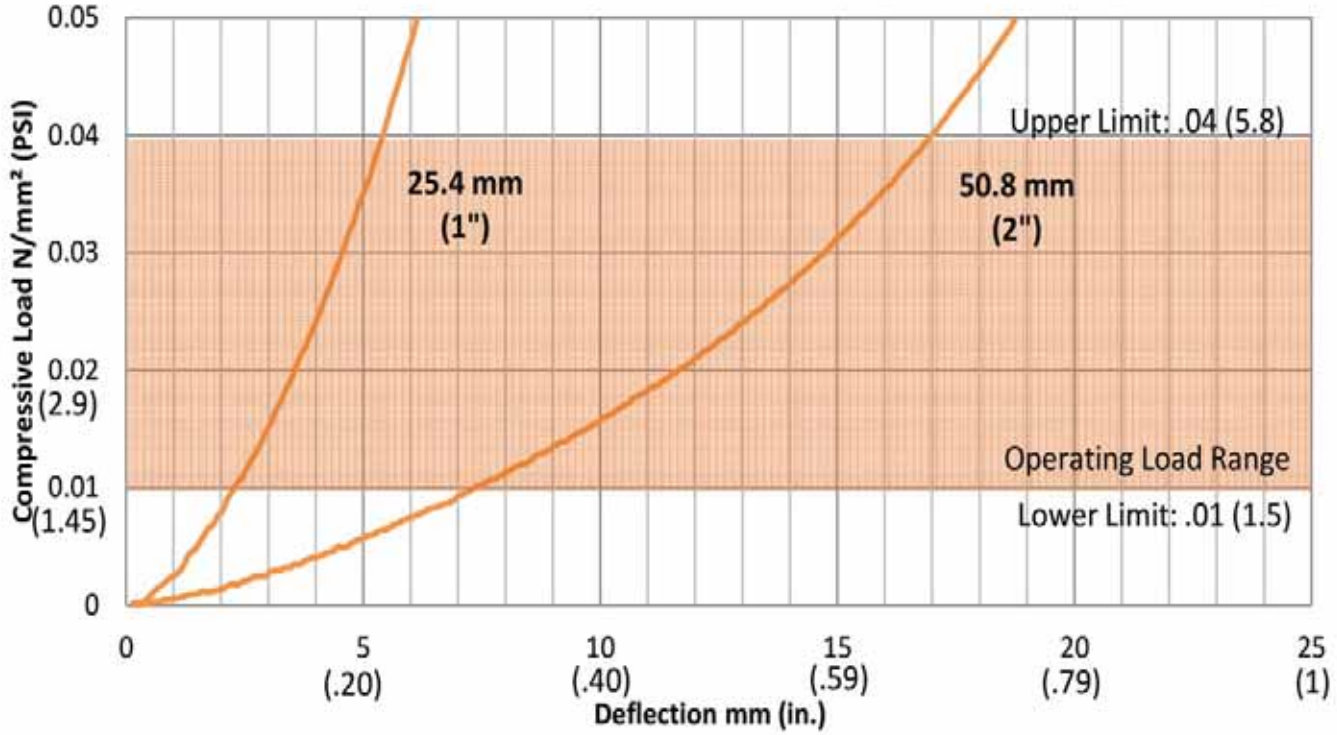
Color:	Black with Blue Crumbs
Thickness:	25.4mm (1”)
Sheet:	.914m x .914m (36”x 36”)
Optimal Static Load Range (Static + Dynamic loads)	.04N/mm^2 (5.8 PSI)
Mechanical Loss Factor:	0.12
Rebound Resilience:	42%



Specific Load versus Natural Frequency FAB-EFP® 04

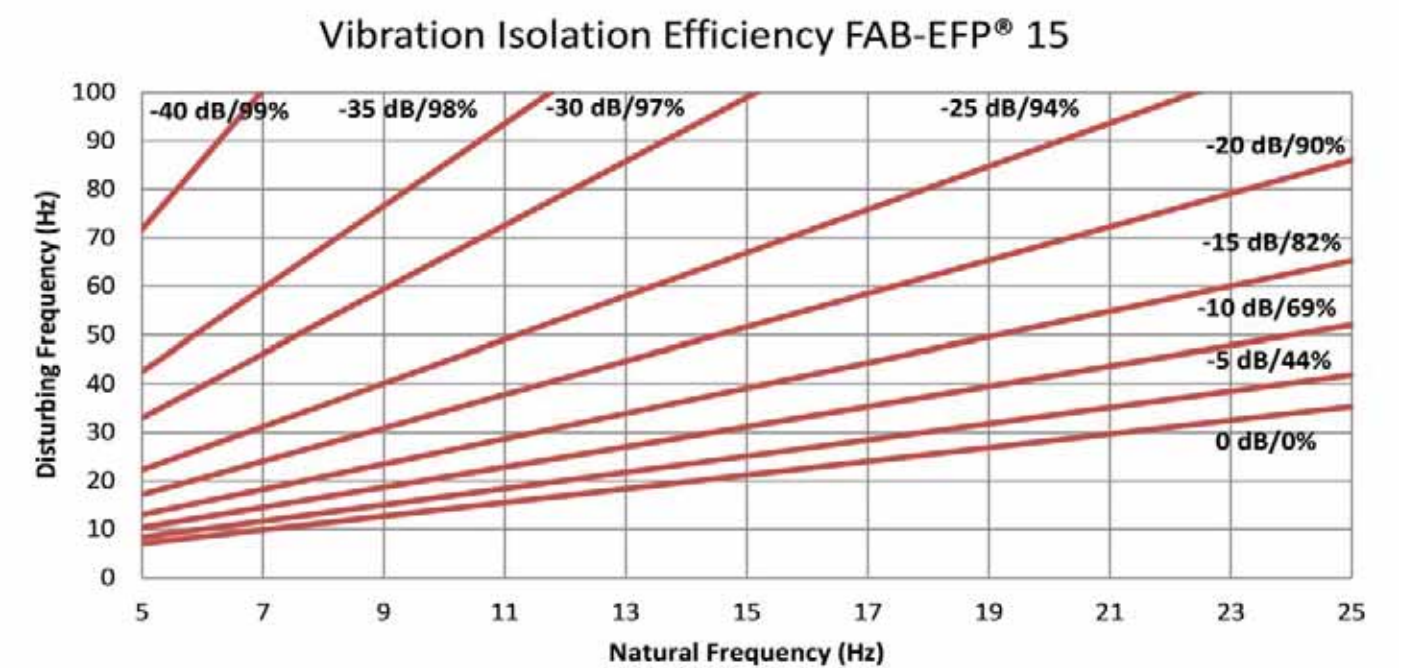


Load Deflection Curve FAB-EFP® 04

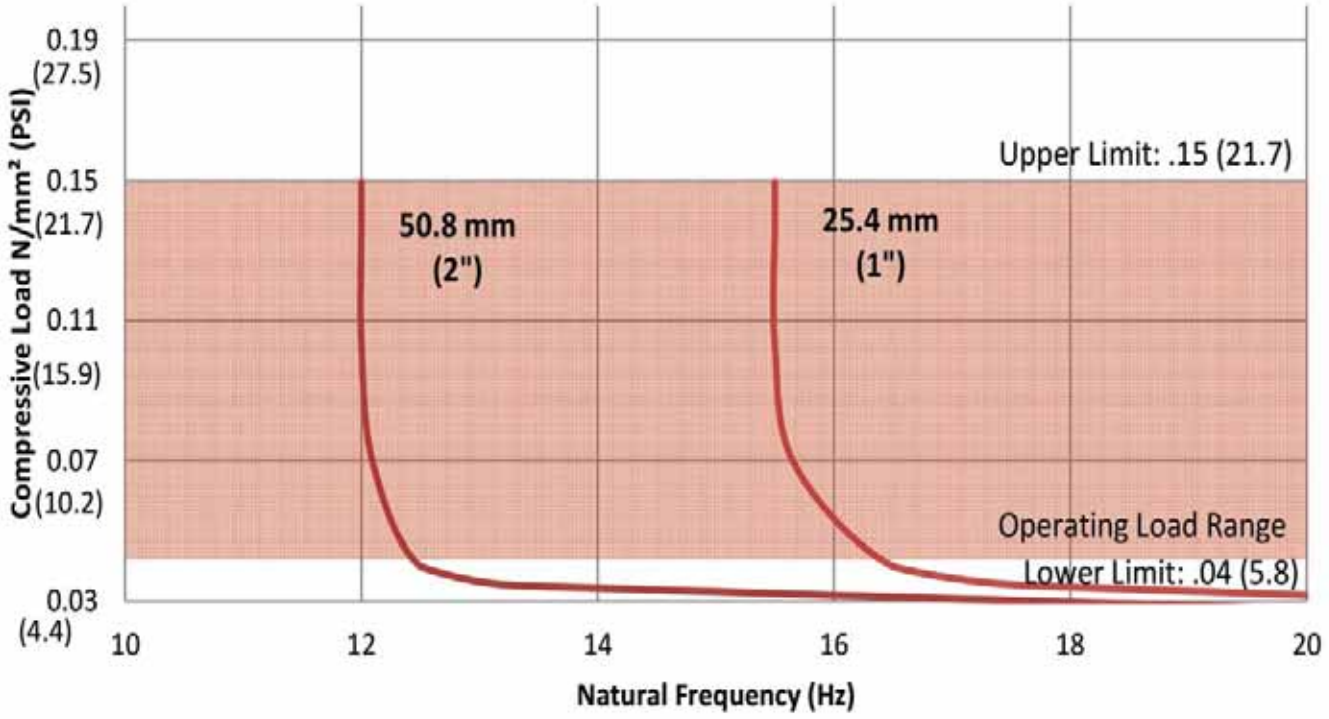


FAB-EFP® 15 Material Specification

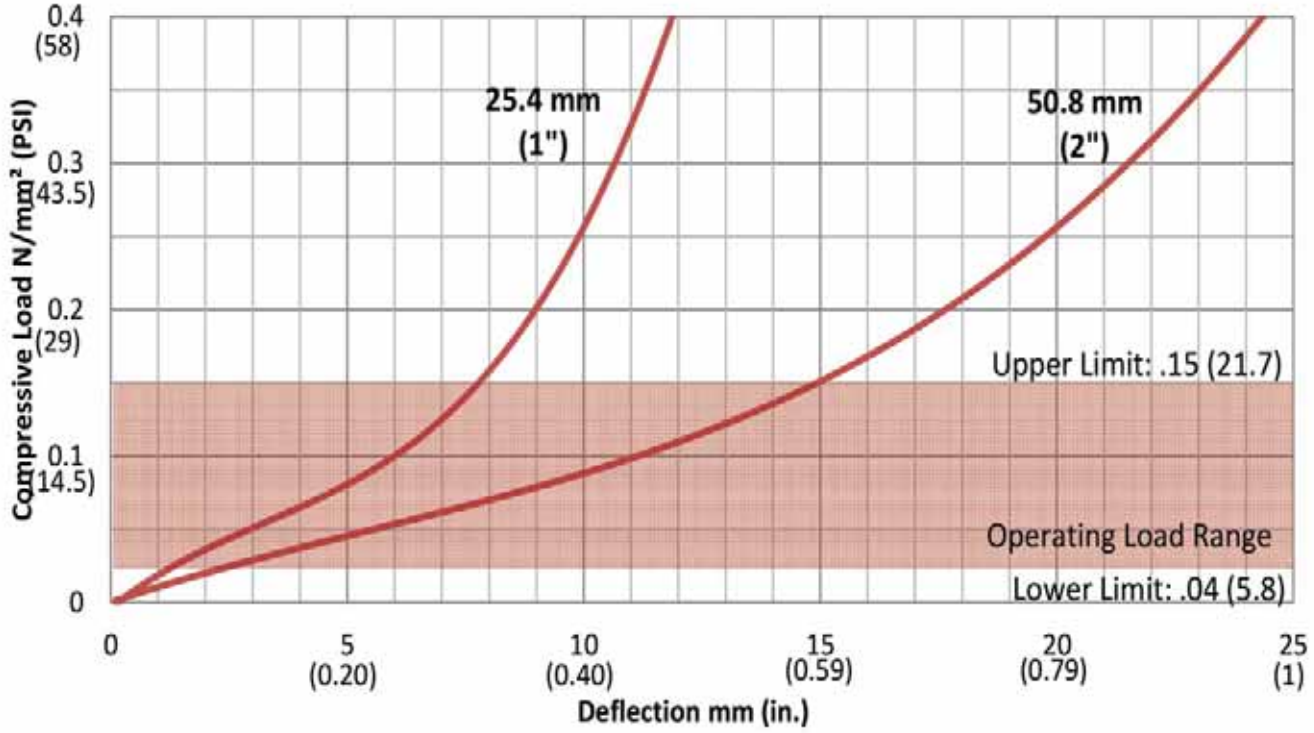
Color:	Black with Blue Crumbs
Thickness:	25.4mm (1”)
Sheet:	.914m x 1.82m (36” x 72”)
Optimal Static Load Range (Static + Dynamic Loads)	.15N/mm^2 (21.7 PSI)
Mechanical Loss Factor:	0.12
Rebound Resilience:	42%



Specific Load versus Natural Frequency FAB-EFP® 15

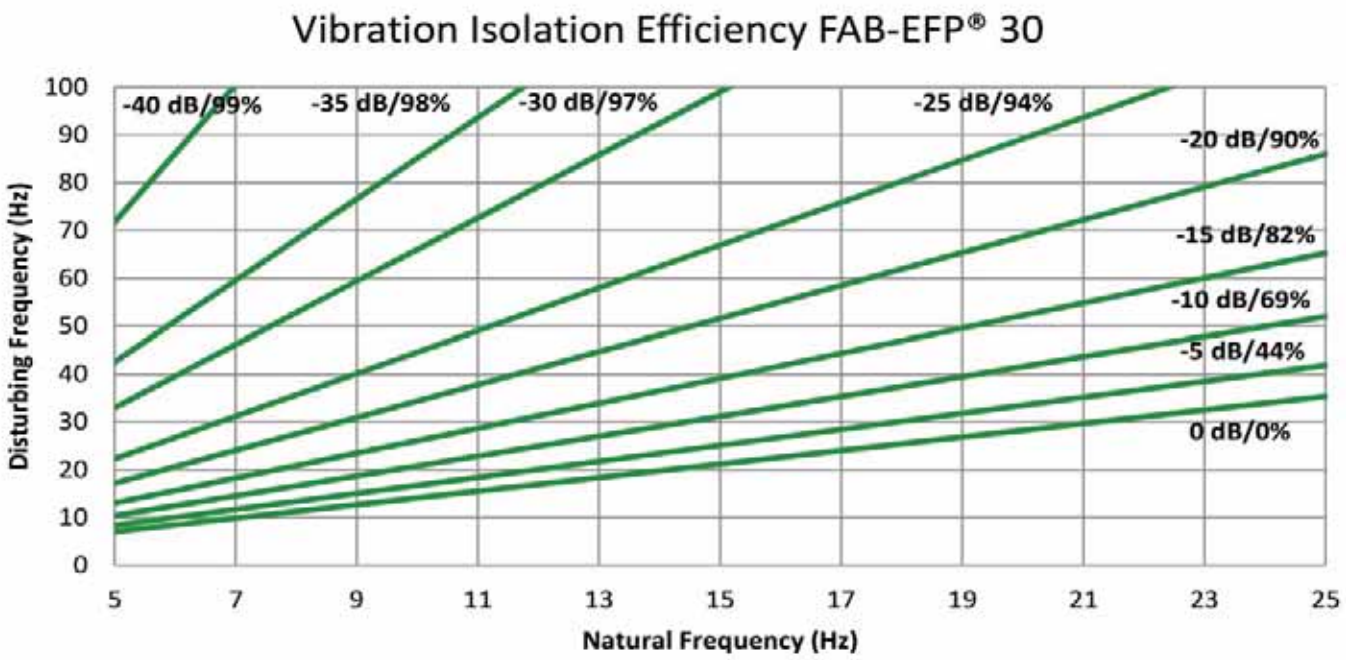


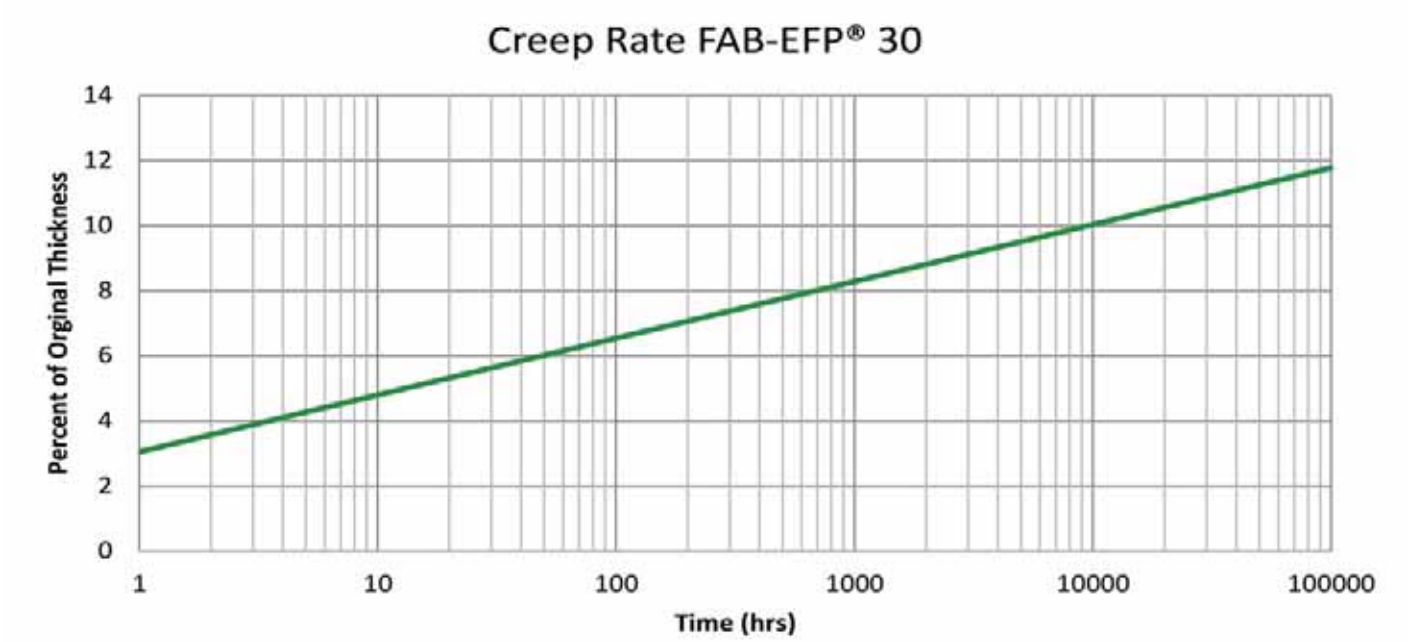
Load Deflection Curve FAB-EFP® 15



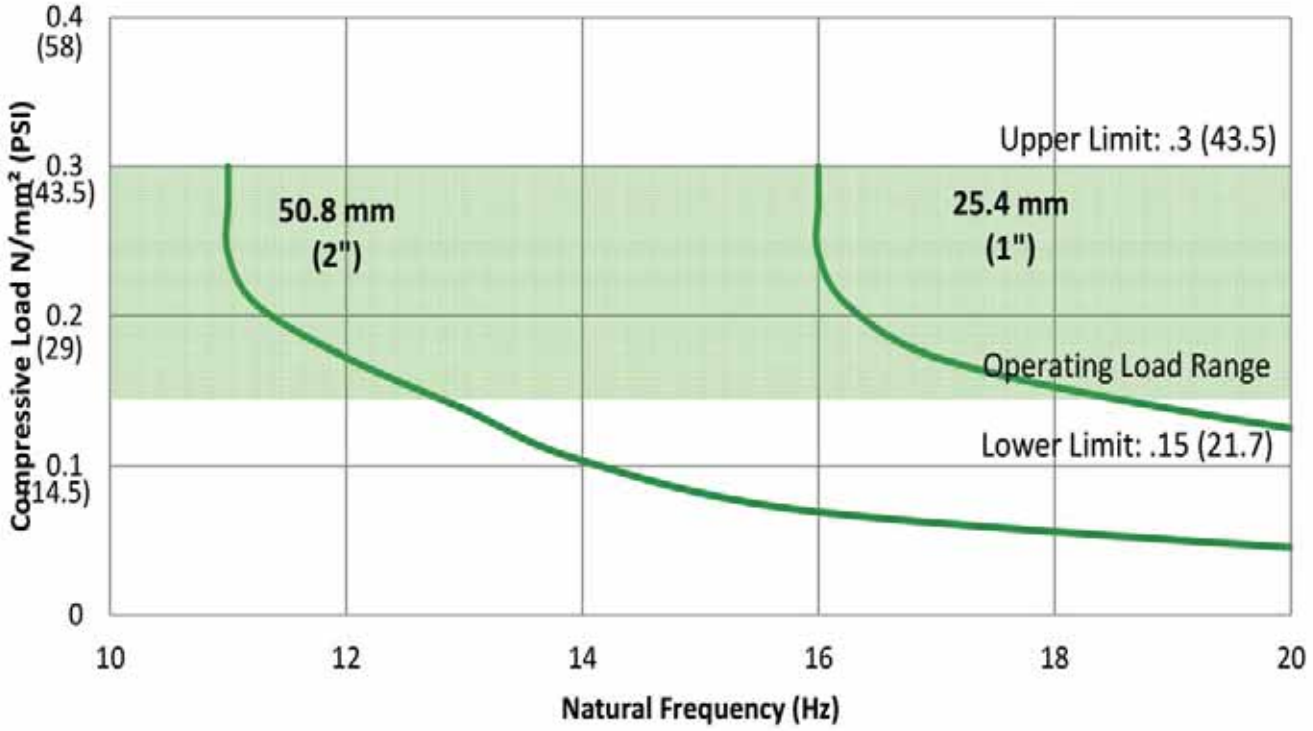
FAB-EFP® 30 Material Specification

Color:	Black with Blue Crumbs
Thickness	25.4mm X (1”)
Sheet:	.914m x 1.82m (36”x72”)
Operating Range of Use (Static + Dynamic Loads):	43.5 PSI (.3n/MM^2)
Mechanical Loss Factor:	0.12
Rebound Resilience:	42%

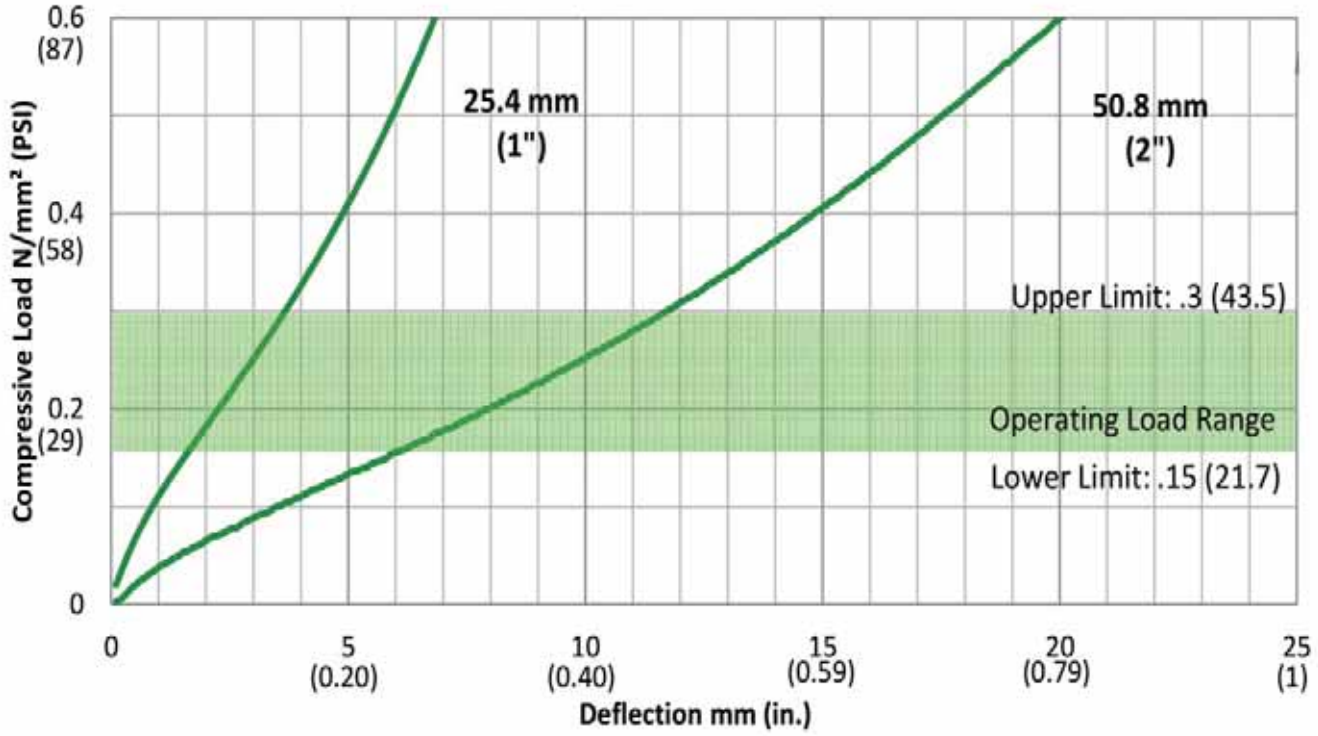




Specific Load versus Natural Frequency FAB-EFP® 30

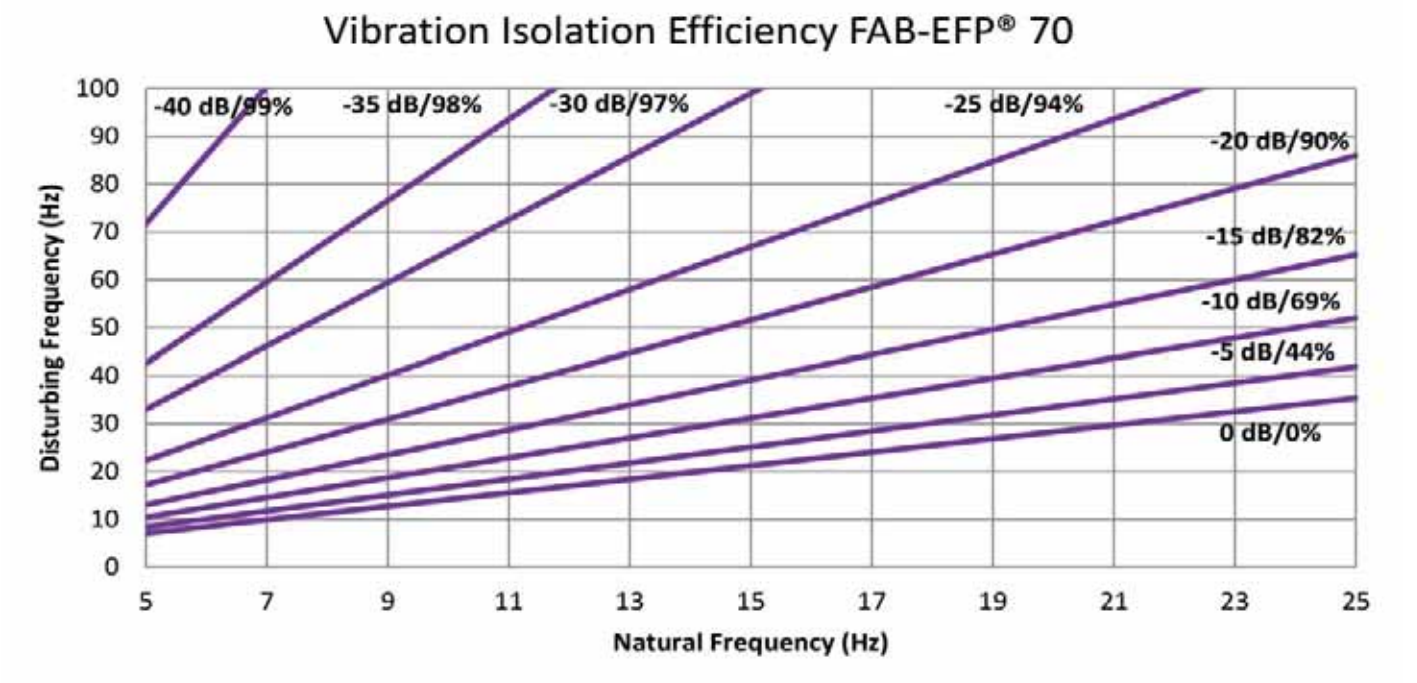


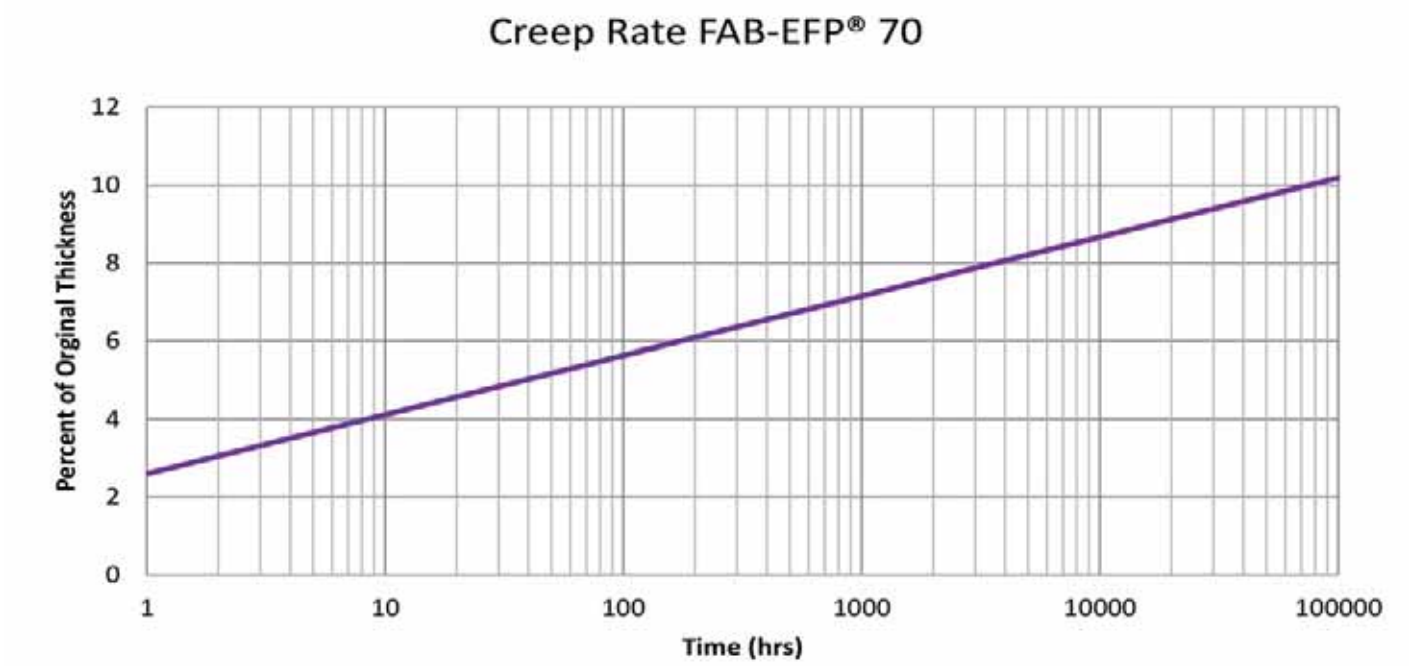
Load Deflection Curve FAB-EFP® 30



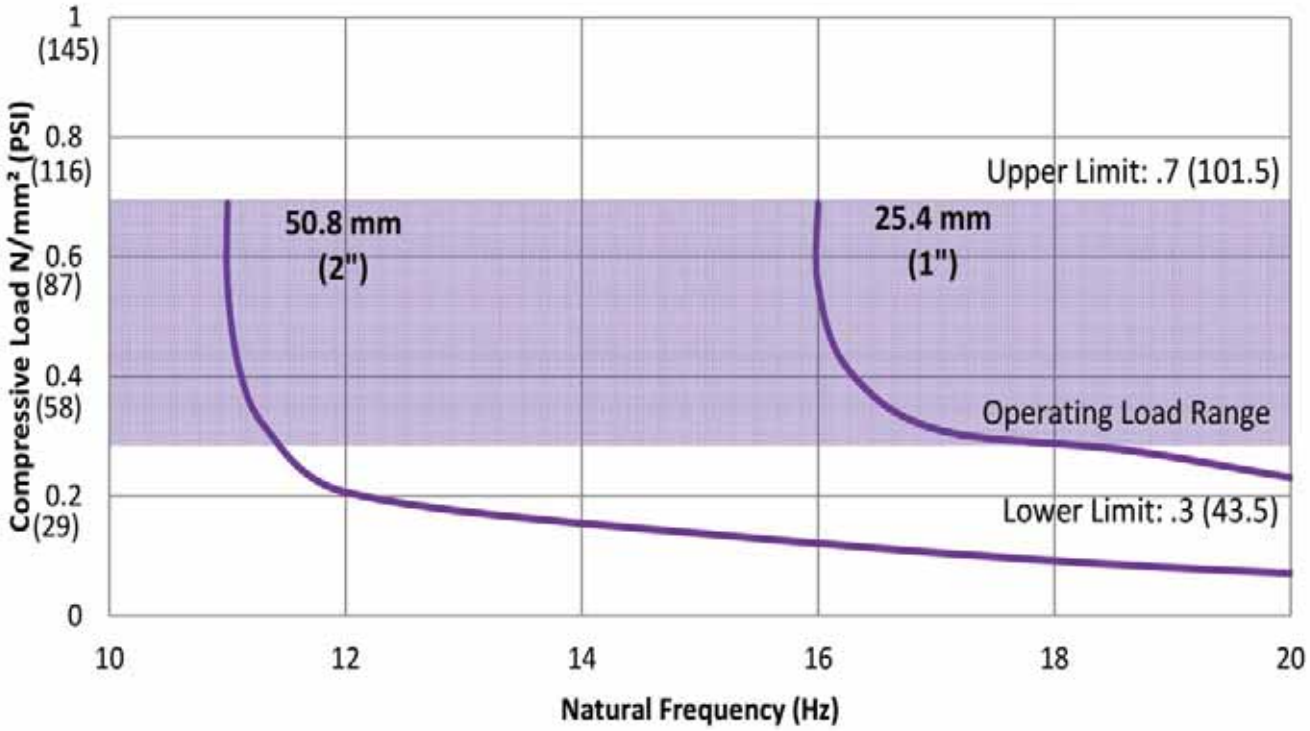
FAB-EFP® 70 Material Specification

Color:	Black with Blue Crumbs
Thickness:	25.4mm (1”)
Sheet:	.914m x 1.82m (36” x 72”)
Operating range of use (Static + Dynamic Loads):	101.5 PSI (.7 N.mm^2)
Mechanical Loss Factor:	0.12
Rebound Resilience:	42%

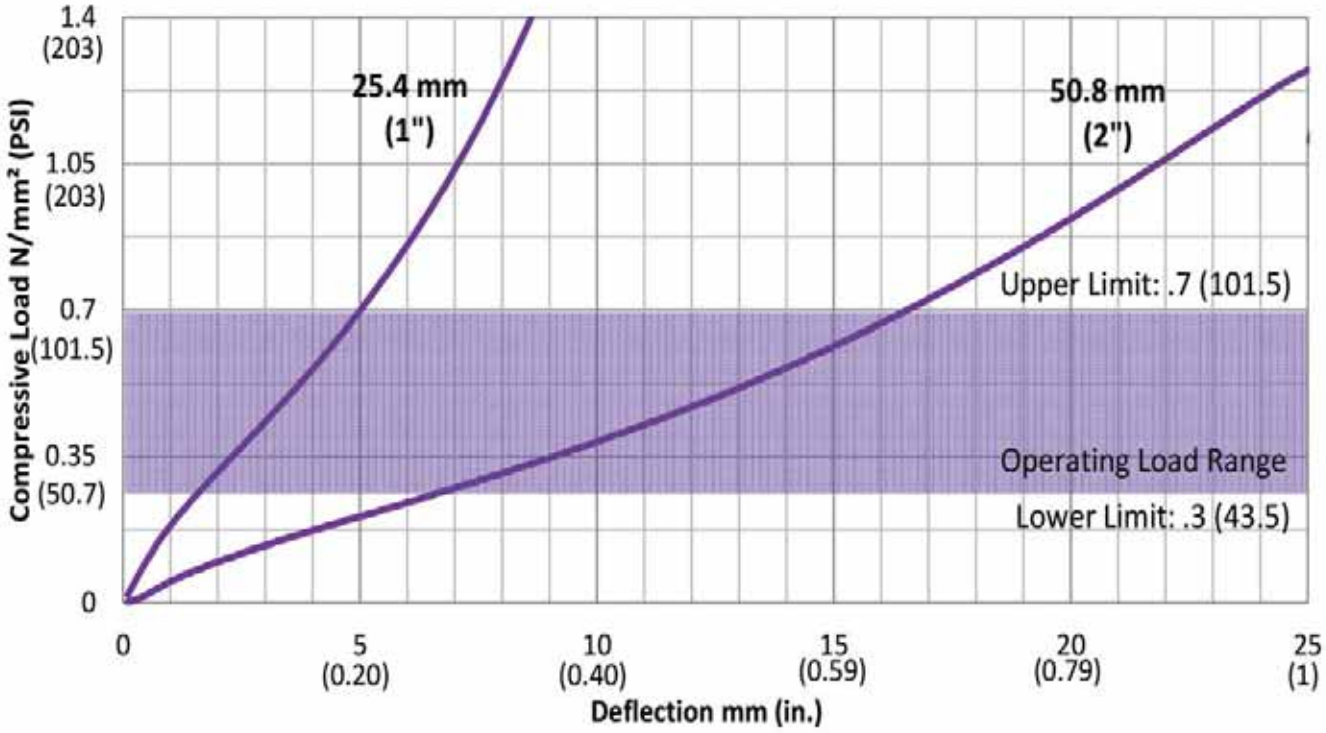




Specific Load versus Natural Frequency FAB-EFP® 70

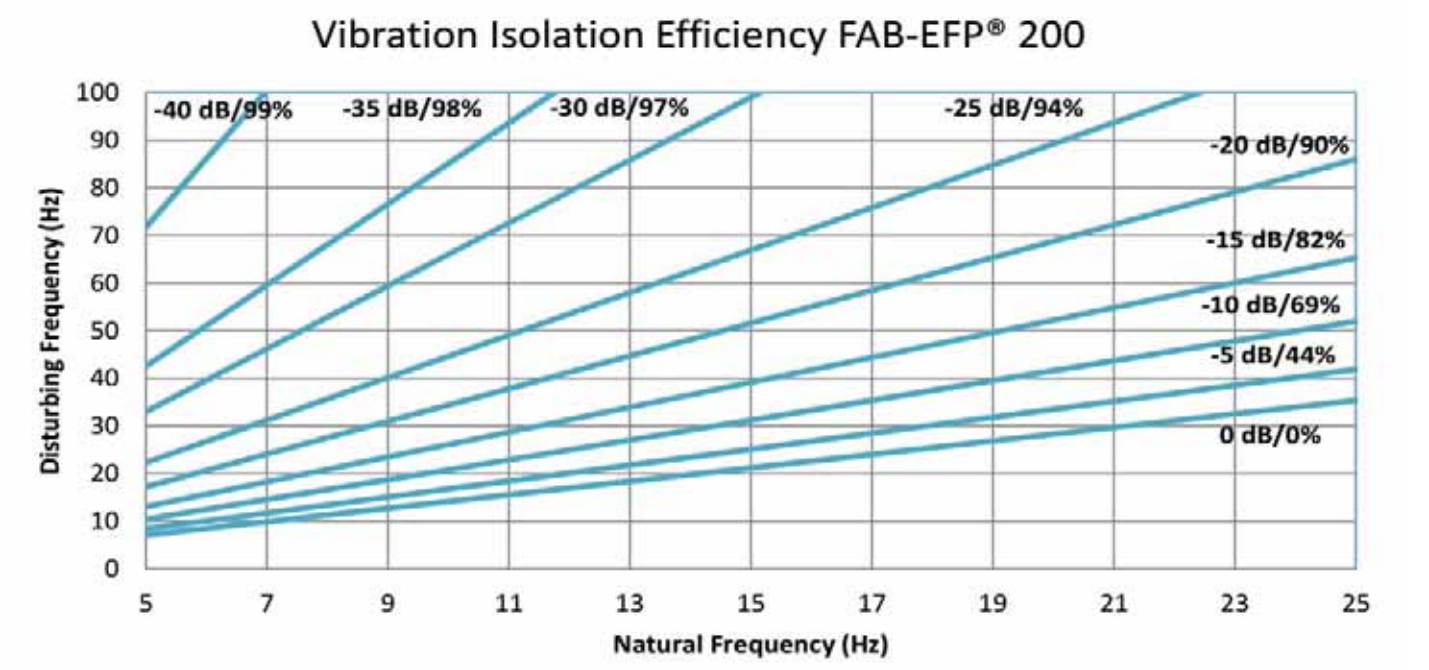


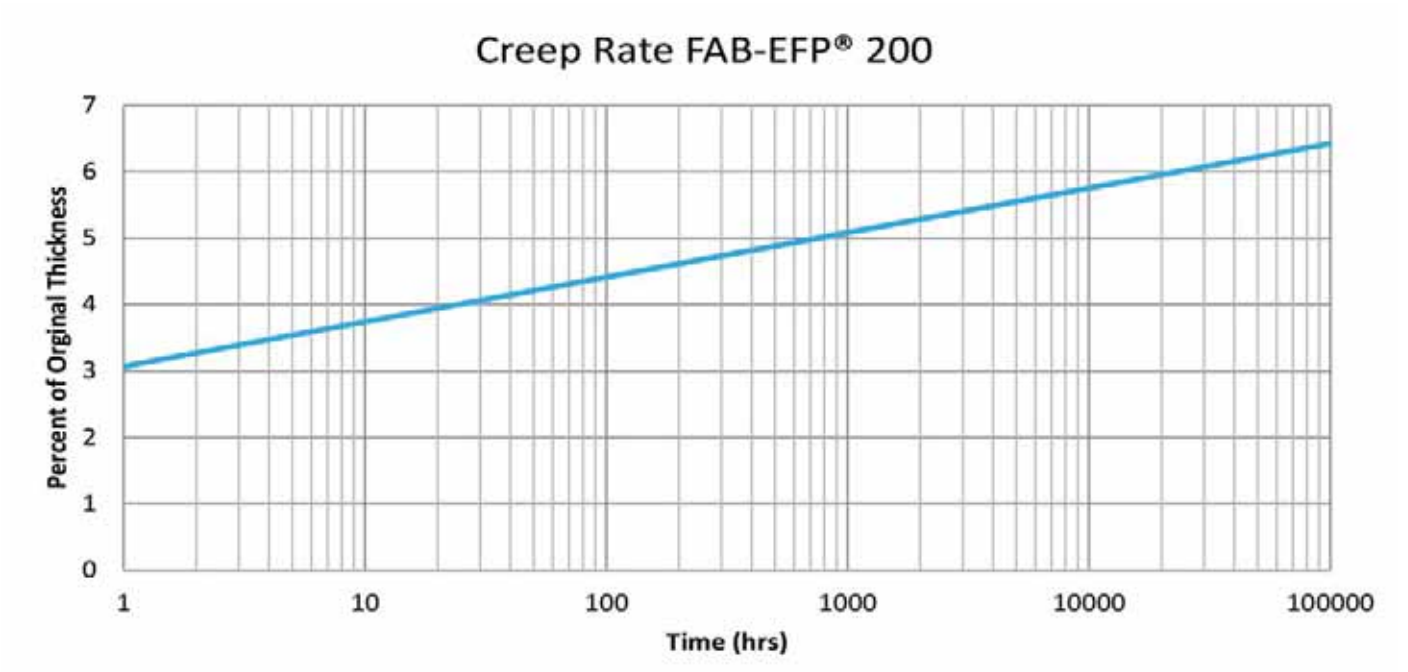
Load Deflection Curve FAB-EFP® 70



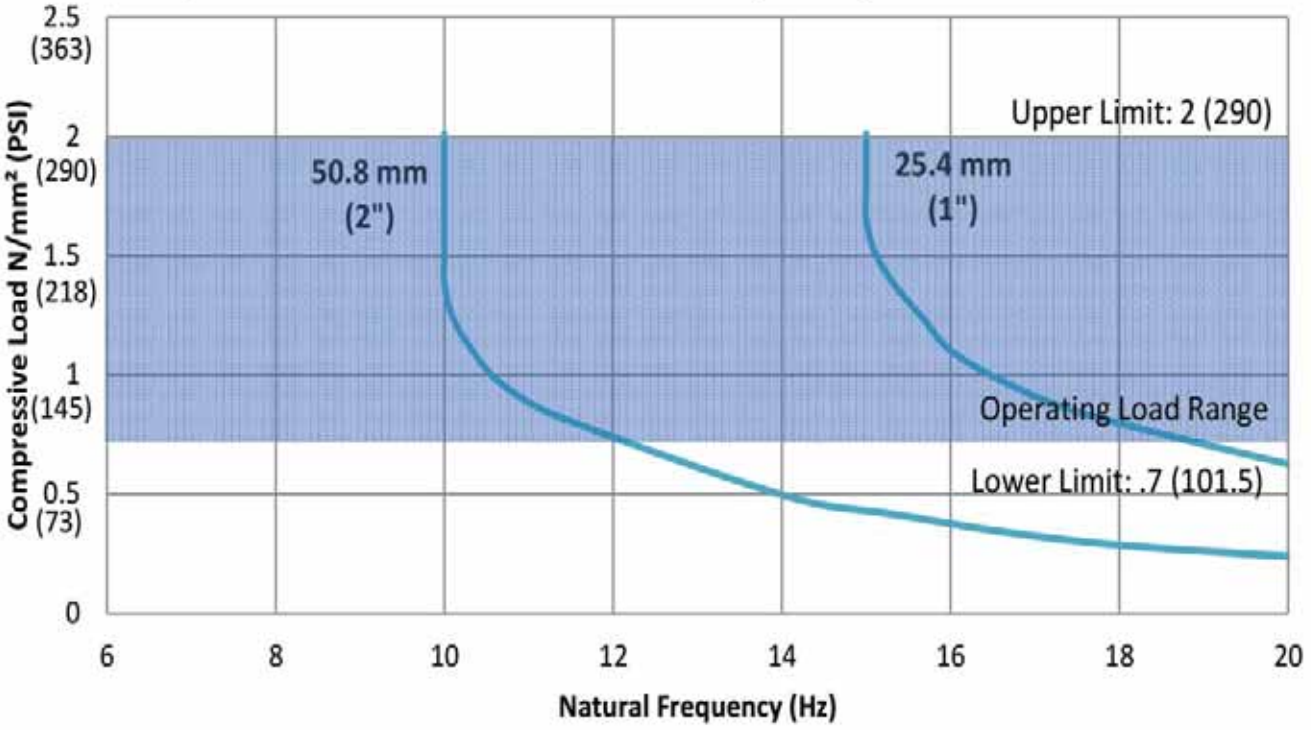
FAB-EFP® 200 Material Specification

Color:	Black with Blue Crumbs
Thickness:	25.4mm (1”)
Sheet:	.914m x 1.82m (36” x 72”)
Operating Range of Use (Static + Dynamic Loads)	2 N/mm^2 (290 PSI)
Mechanical Loss Factor:	0.12
Rebound Resilience:	42%

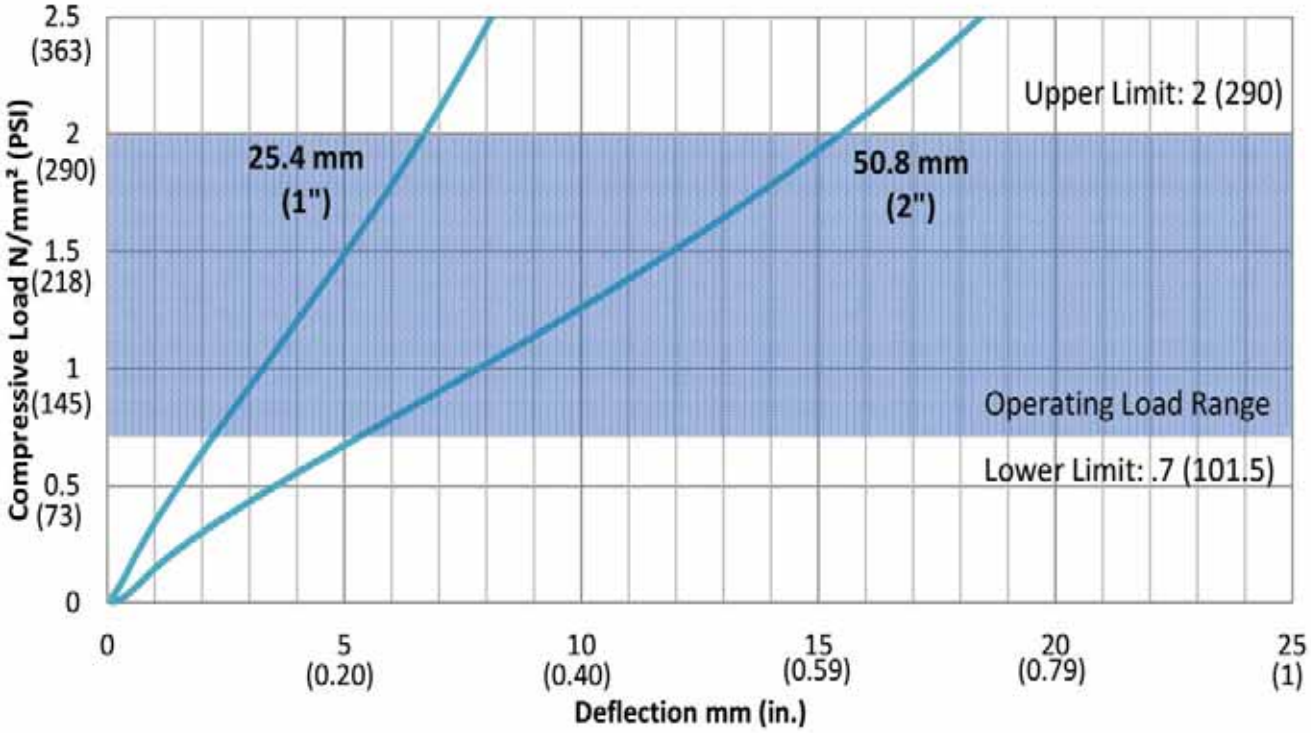


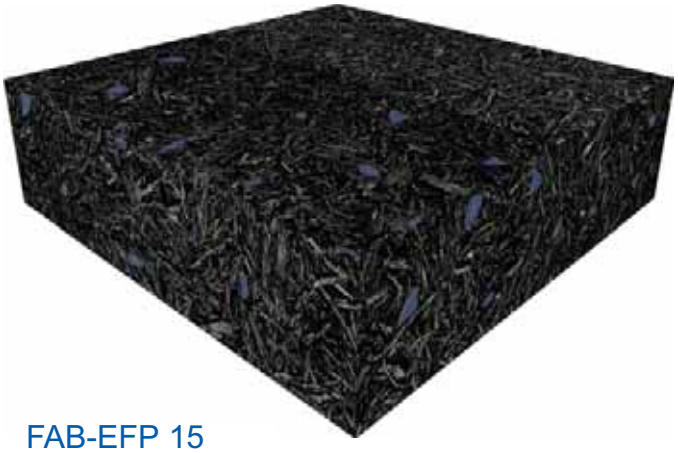


Specific Load versus Natural Frequency FAB-EFP® 200

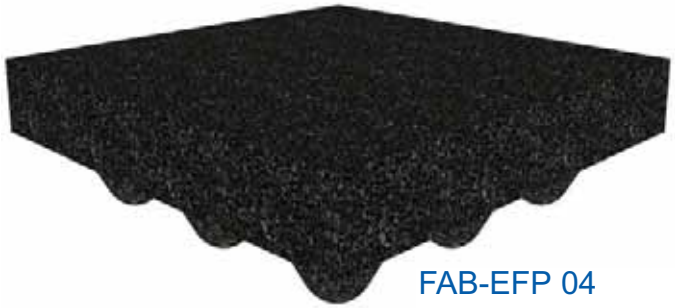


Load Deflection Curve FAB-EFP® 200

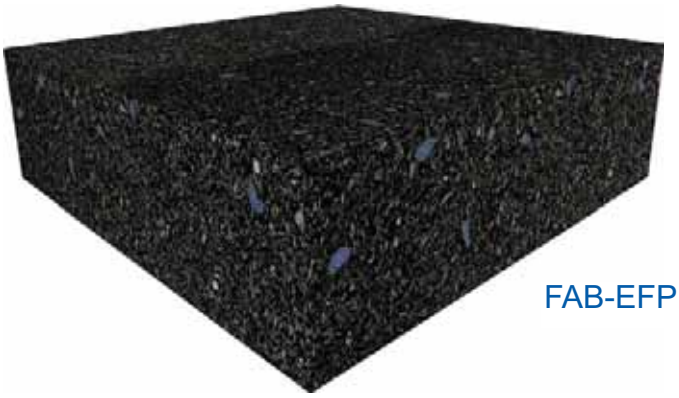




FAB-EFP 15



FAB-EFP 04



FAB-EFP 30

FAB-EFP® foundation isolation material being installed

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