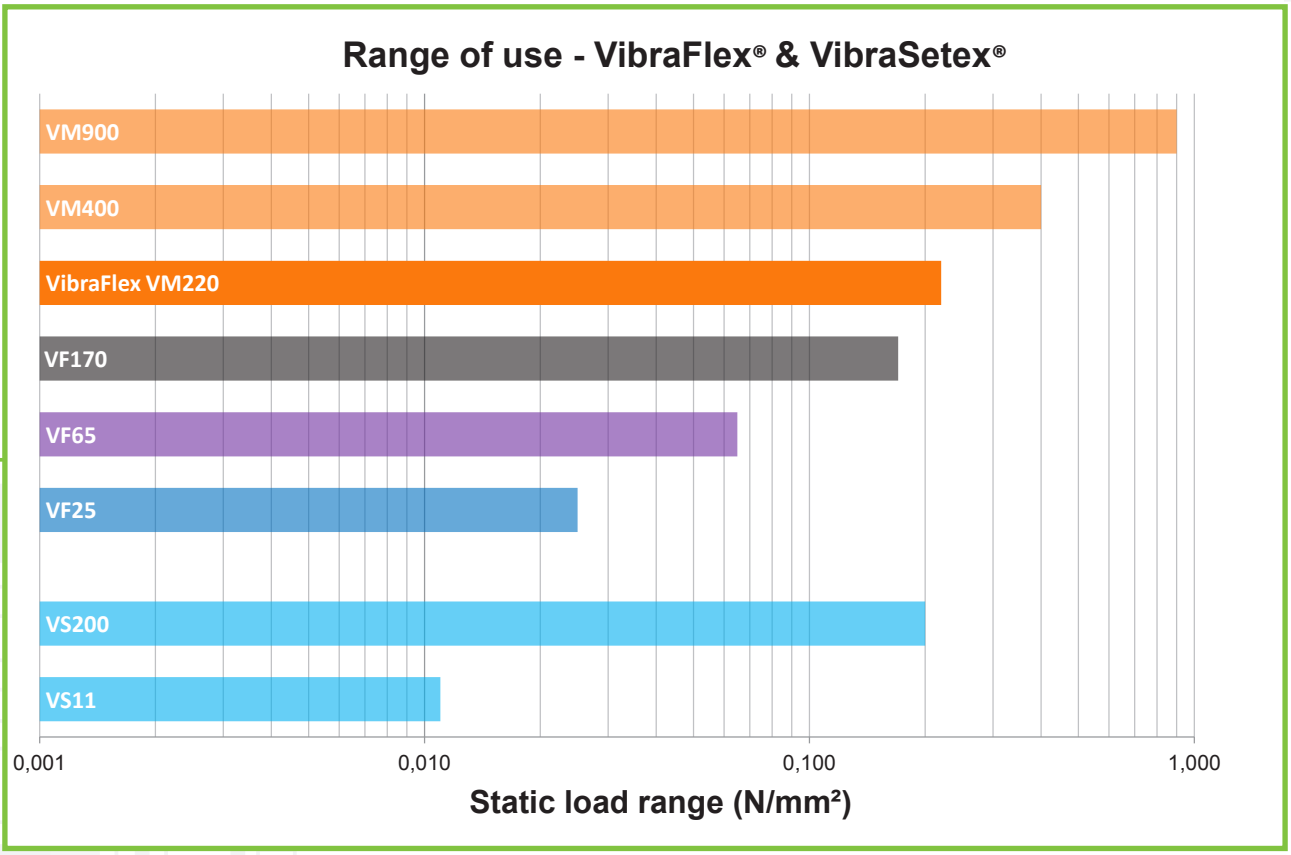
Technical Datasheet
VibraFlex - VM220

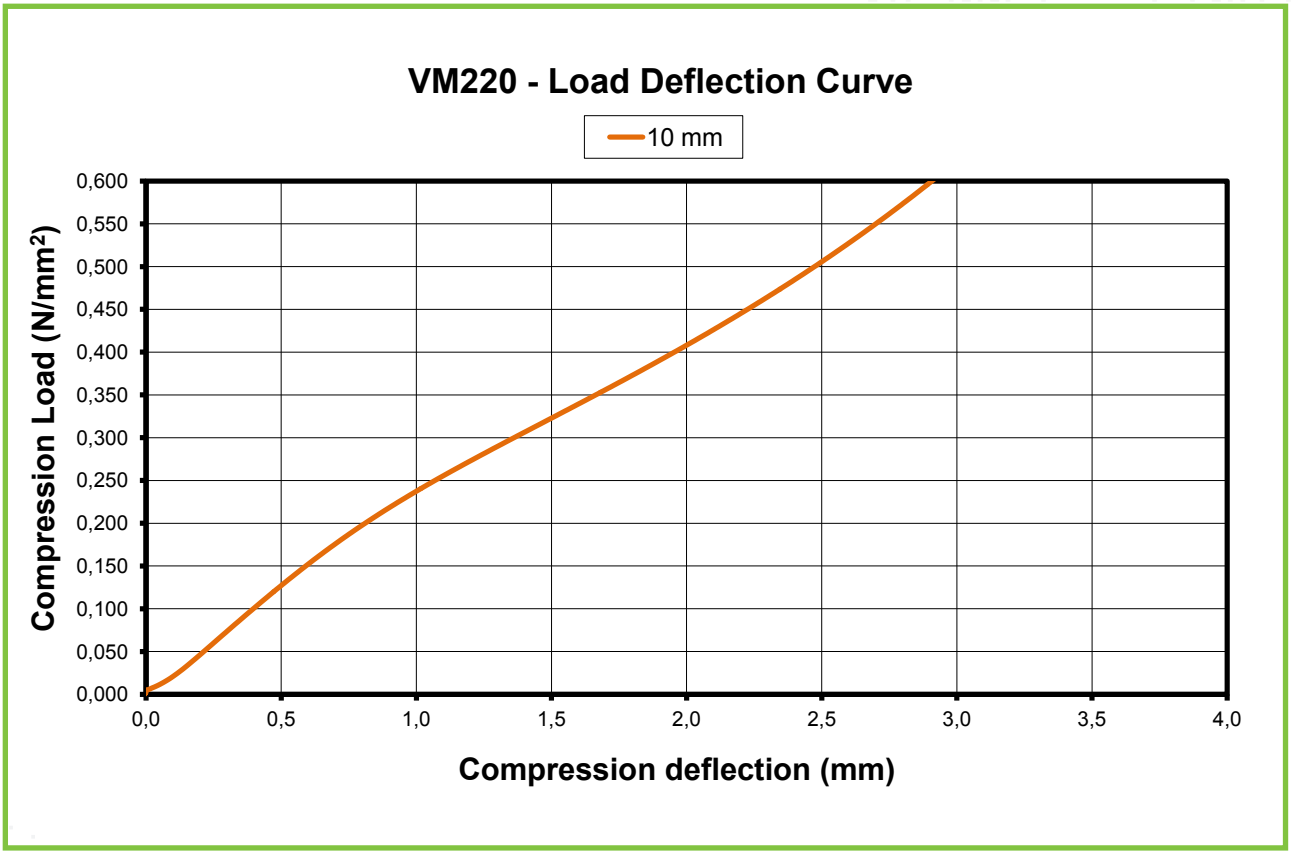
Version: 1
Issued by: BPI - Product Management
Date: September 11, 2014

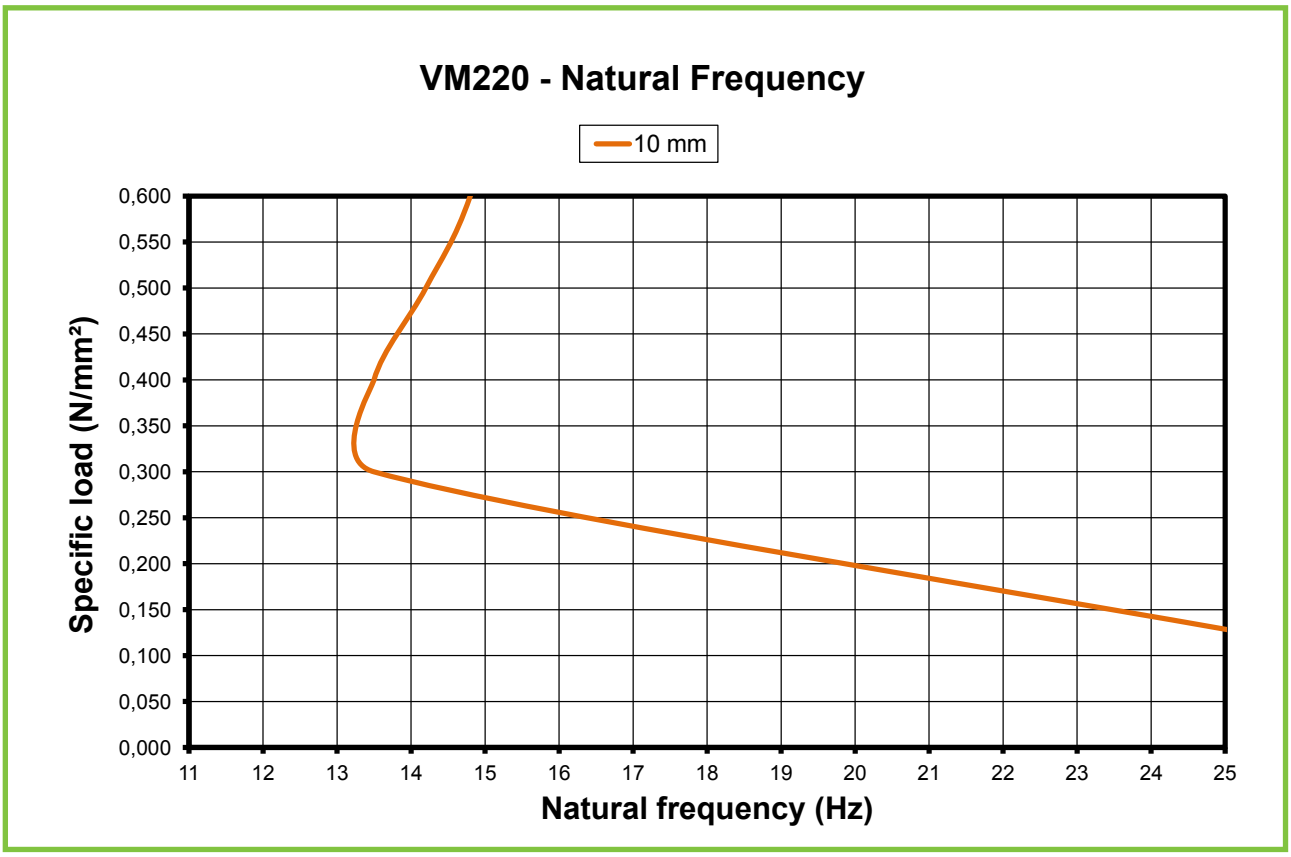
VibraFlex®
- vibration dampening & absorption

BPI
foam for your purpose

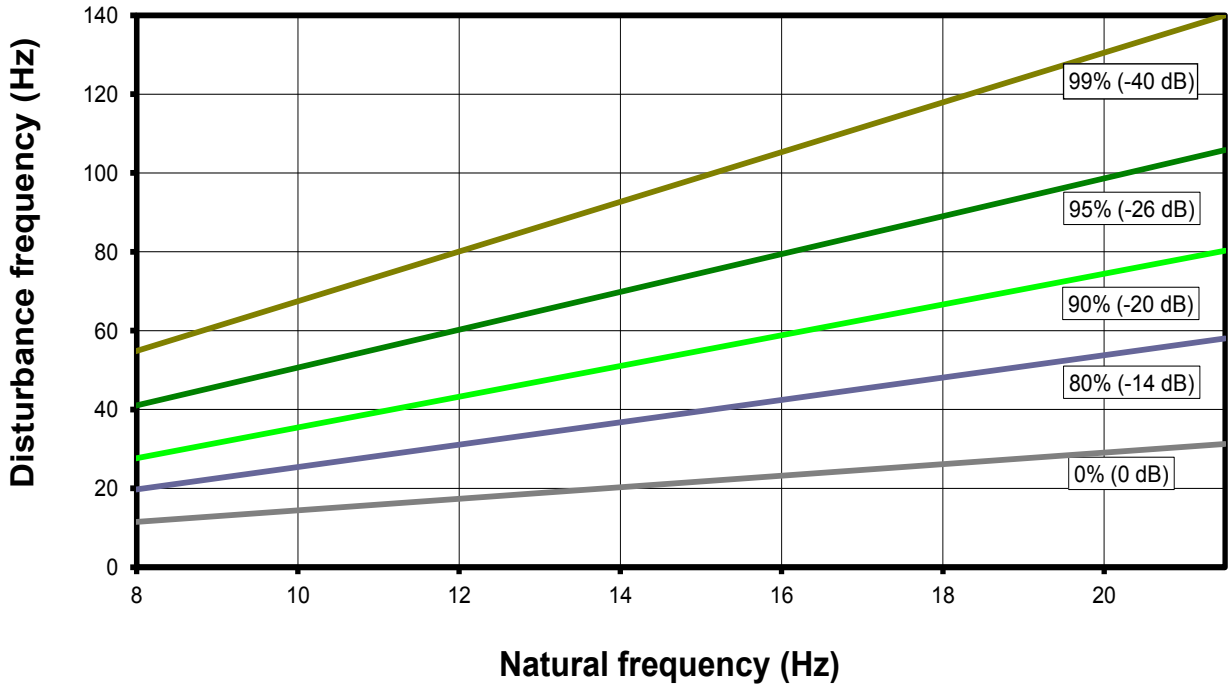
Properties	Test Method		Unit	VM220
Color (core material)				Orange
Standard dimensions	Length x width		mm	1000 x 500
(Other dim./thickness by request)	Thickness		mm	25
Surface (other by request)				skin / skin
Max. static load	Internal		N/mm²	0,22
Max. total load	Internal		N/mm²	0,500
Compression set	DIN EN ISO 1856 (50%, 23°, 70h, 30 min. after		%	< 10
Tensile strength	DIN EN ISO 1798		N/mm²	3,4
E-modulus	DIN EN ISO 1798		N/mm²	1,4
Elongation at break	DIN EN ISO 1798		%	> 300
Hardness	Internal		Asker C	60 - 65
Angle tear	DIN 53515		N/mm	> 10
Compression hardness	DIN ISO 3386	25%	N/mm²	0,37
		40%		0,68
		50%		1,09
		65%		4,1
Pendulum rebound	Internal		%	> 60
Electrical conductivity			Mohm.cm	> 1000
Thermal conductivity			W/(m.K)	0,06 - 0,09
Water absorption	Volume swell 7 days		%	< 10
Fire properties	DIN 4102		Class	B2
	EN ISO 13501-1			E
Temperature	Operating temp.		C°	-30 +60




VM220 - Load Deflection Curve
10 mm
Compression Load (N/mm²)
0,600
0,550
0,500
0,450
0,400
0,350
0,300
0,250
0,200
0,150
0,100
0,050
0,000
0,0
0,5
1,0
1,5
2,0
2,5
3,0
3,5
4,0
Compression deflection (mm)


VM220 - Natural Frequency
10 mm
Specific load (N/mm²)
0,600
0,550
0,500
0,450
0,400
0,350
0,300
0,250
0,200
0,150
0,100
0,050
0,000
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
Natural frequency (Hz)

VM220 - Frequency Isolation



VM220 - DMTA