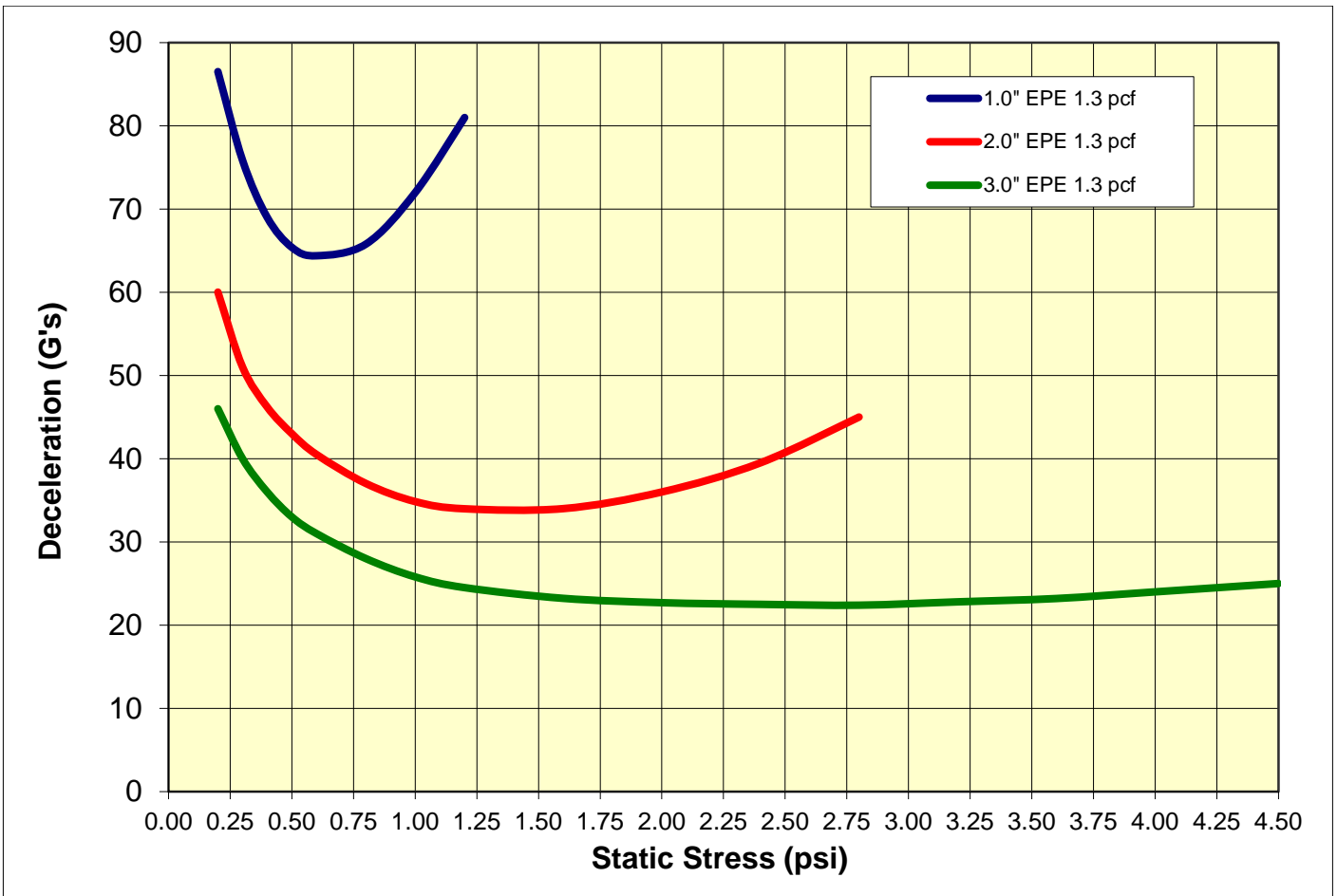
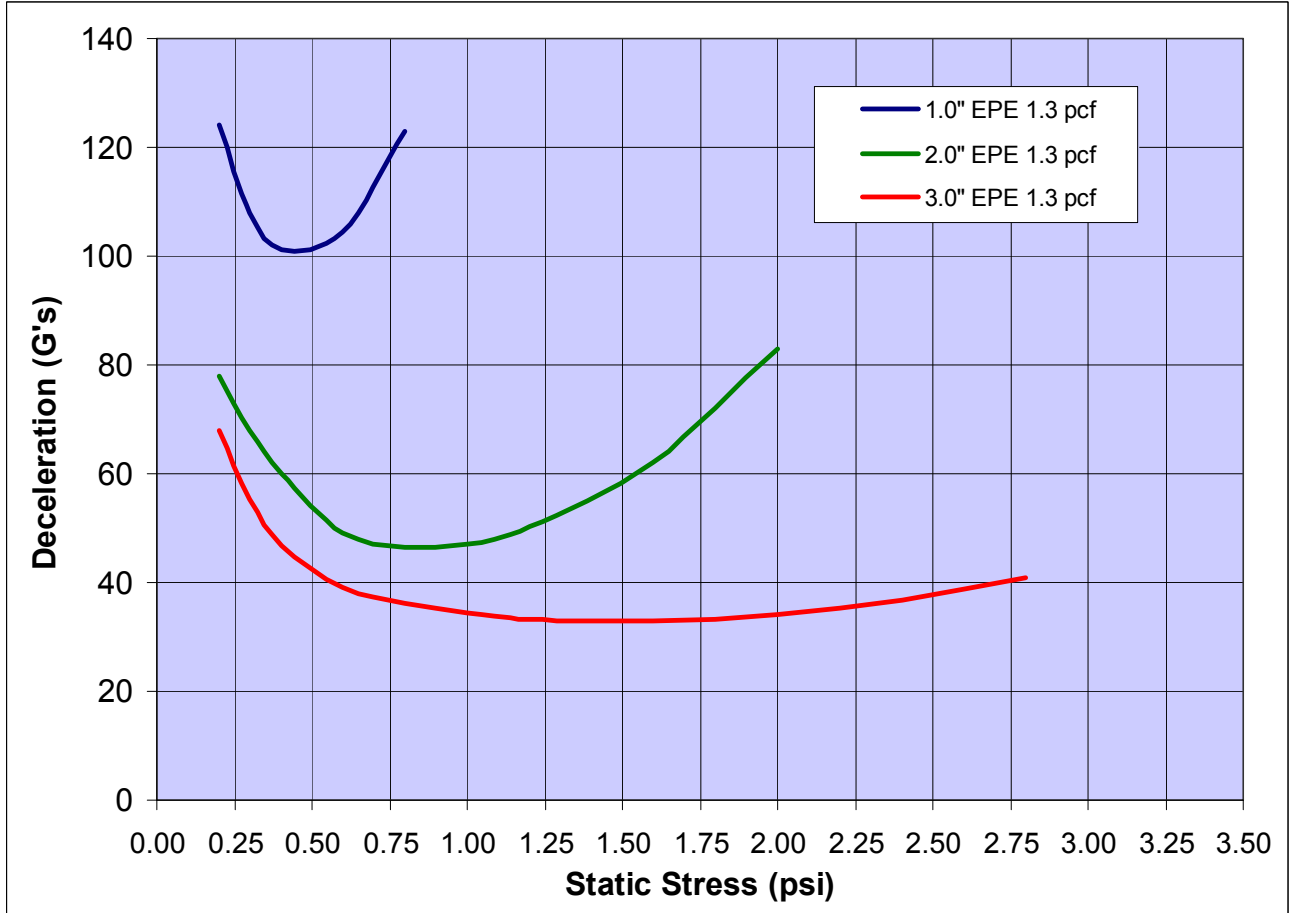


## Cushioning Performance Curve for 20 g/l (1.3 pcf) ARPAK® Expanded Polyethylene (EPE) Foam 18 inch Drop, 2<sup>nd</sup> thru 5<sup>th</sup> Impact/Drop - 1", 2" and 3" Thickness



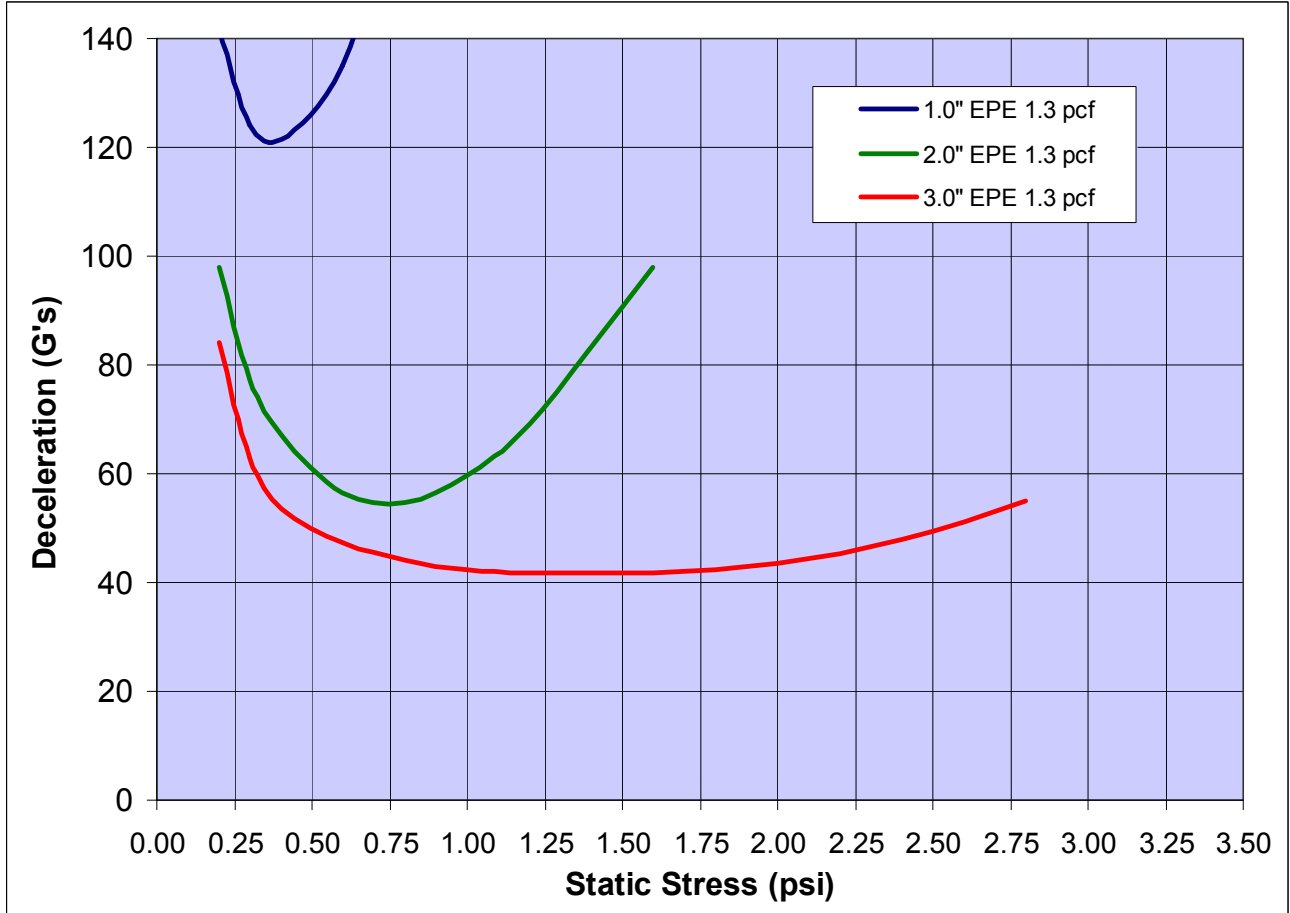
Note: 20 g/l = 1.3 pcf (g/l = grams per liter; pcf = pounds per cubic foot)

## Cushioning Performance Curve for 20 g/l (1.3 pcf) ARPAK EPE Foam 30 inch Drop, 2<sup>nd</sup> thru 5<sup>th</sup> Impact/Drop - 1", 2" and 3" Thickness'



Note: 20 g/l = 1.25 pcf = 45X (g/l = grams per liter; pcf = pounds per cubic foot; X = foam expansion ratio)

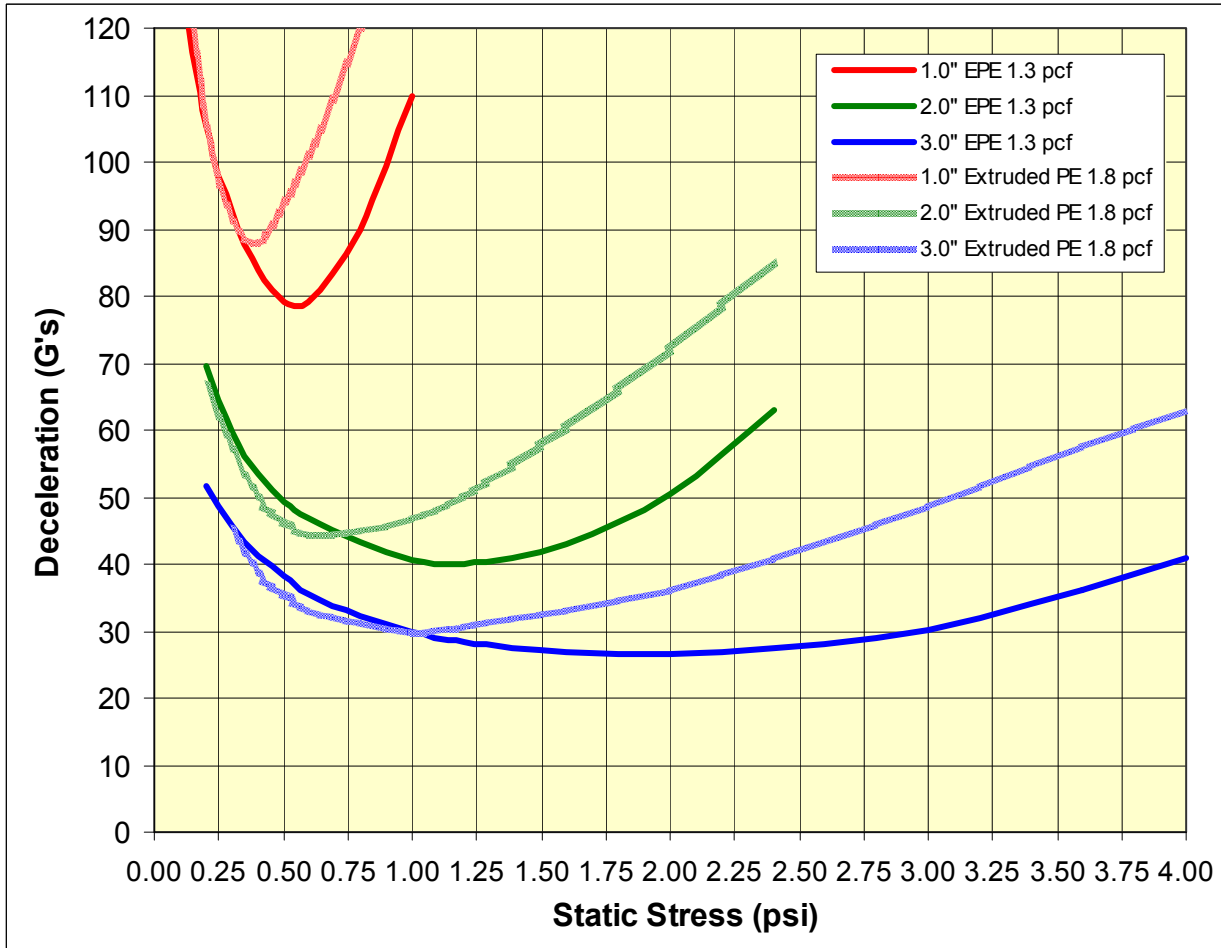
## Cushioning Performance Curve for 20 g/l (1.3 pcf) ARPAK EPE Foam 36 inch Drop, 2<sup>nd</sup> thru 5<sup>th</sup> Impact/Drop - 1", 2" and 3" Thickness'



Note: 20 g/l = 1.25 pcf = 45X (g/l = grams per liter; pcf = pounds per cubic foot; X = foam expansion ratio)

## Cushioning Performance Curve

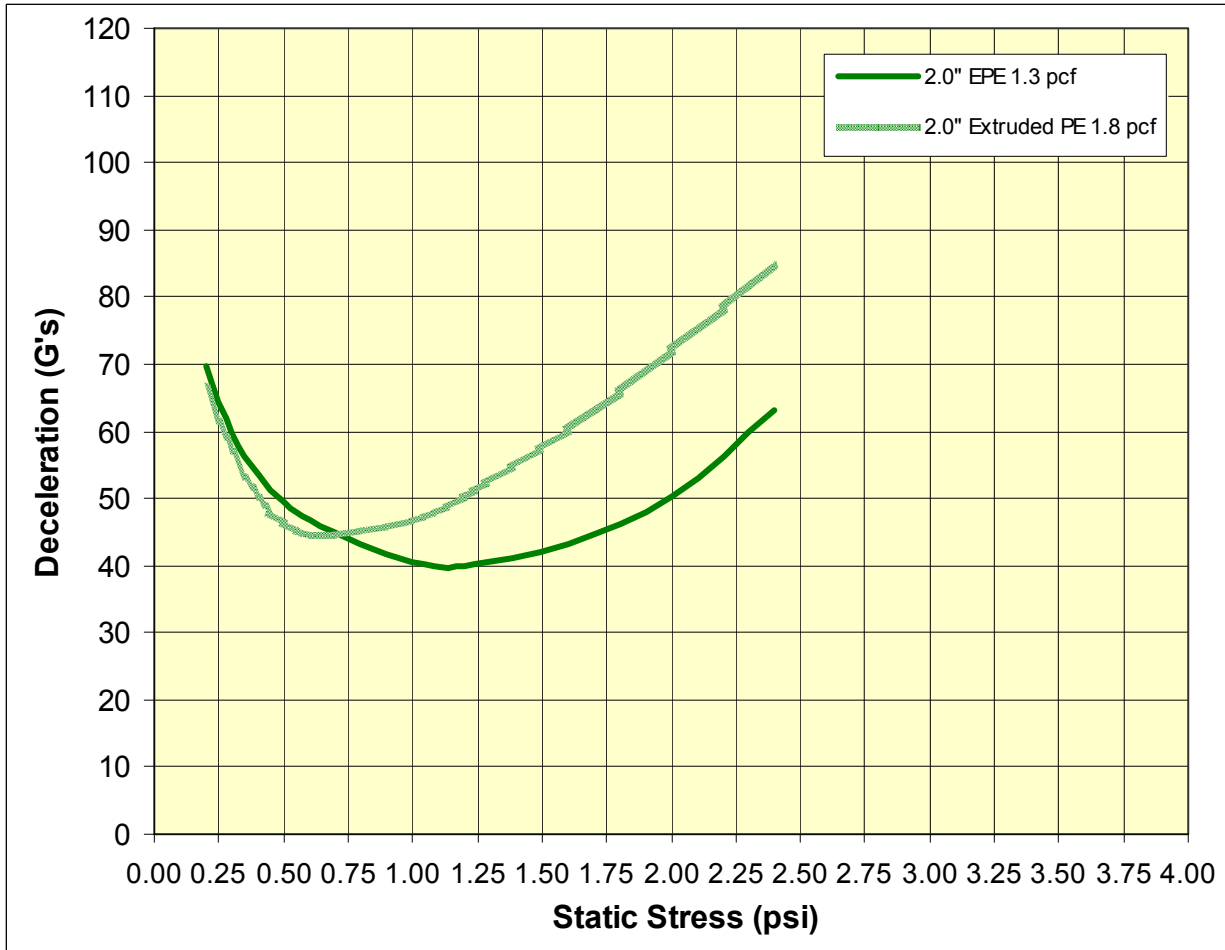
1.3 pcf ARPAK® Expanded Polyethylene (EPE) vs. 1.8 pcf Extruded PE  
 24 inch Drop, 2<sup>nd</sup> thru 5<sup>th</sup> Impact/Drop – 1", 2", and 3" Thicknesses



Note: 1.3 pcf = 20.8 g/l = 46X (pcf = pounds per cubic foot; g/l = grams per liter; X = foam expansion ratio)

## Cushioning Performance Curve

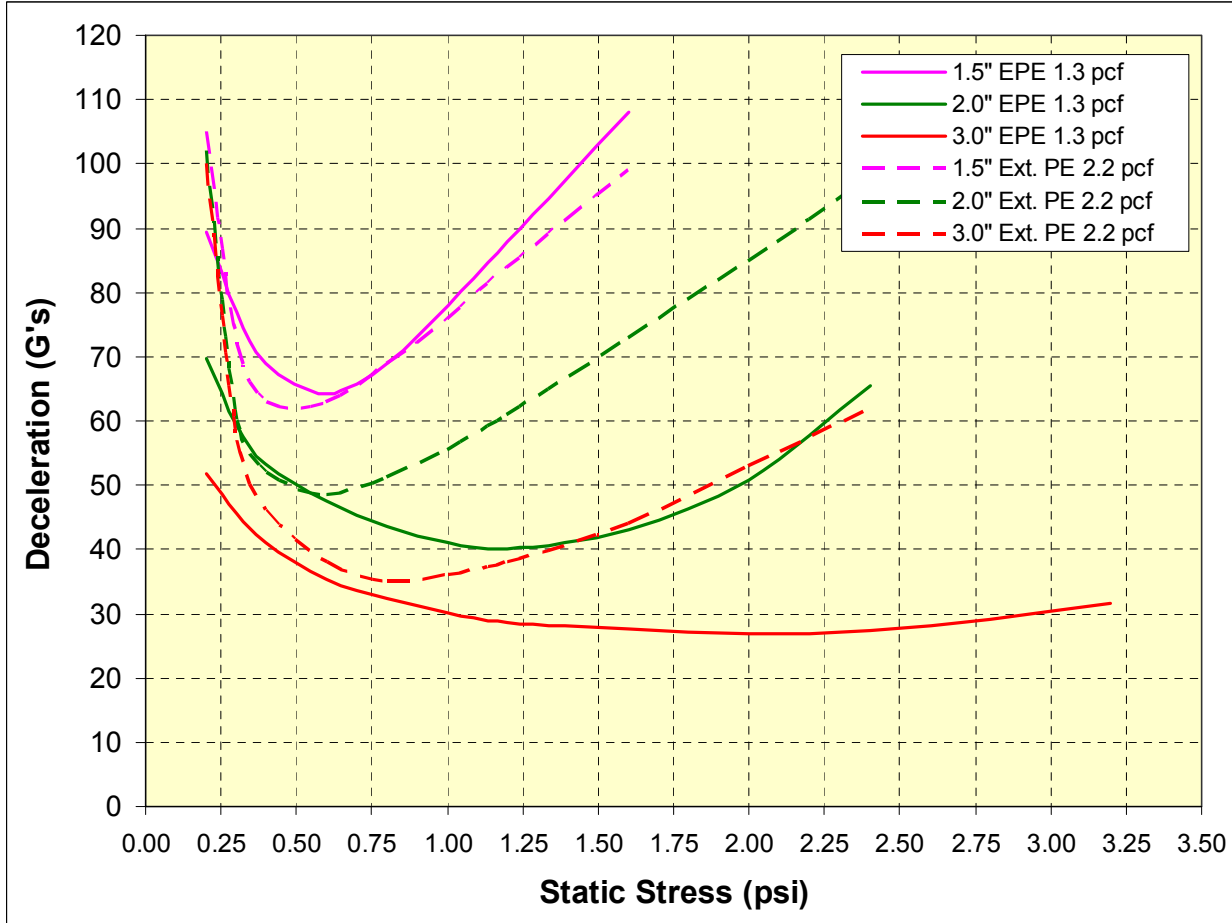
### 1.3 pcf ARPAK® Expanded Polyethylene (EPE) vs. 1.8 pcf Extruded PE 24 inch Drop, 2<sup>nd</sup> thru 5<sup>th</sup> Impact/Drop – 2” Thickness



Note: 1.3 pcf = 20.8 g/l = 46X (pcf = pounds per cubic foot; g/l = grams per liter; X = foam expansion ratio)

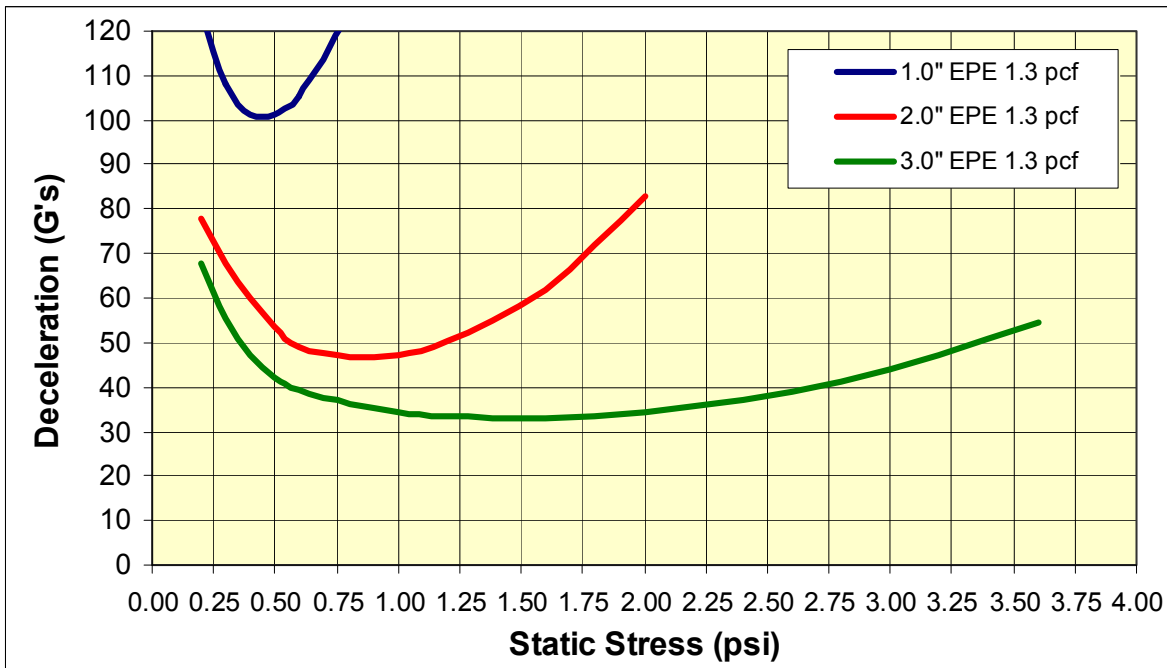
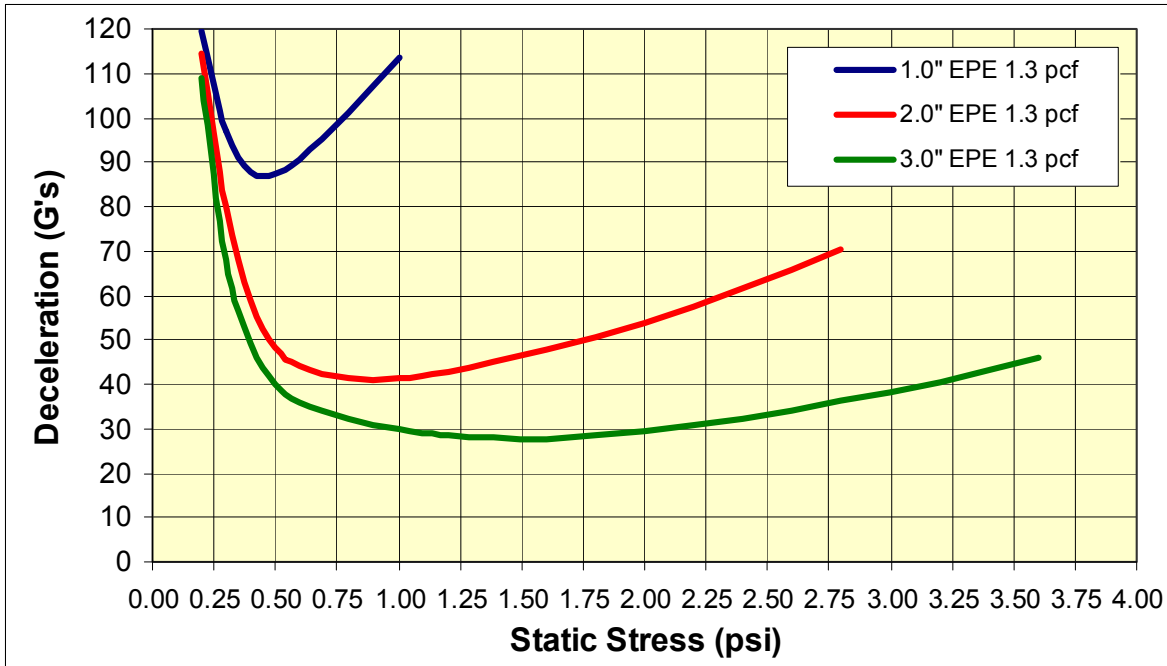
## Cushioning Performance Curve

1.3 pcf ARPAK® Expanded Polyethylene (EPE) vs. 2.2 pcf Extruded PE  
30 inch Drop, 2<sup>nd</sup> thru 5<sup>th</sup> Impact/Drop – 1.5", 2", and 3" Thickness'

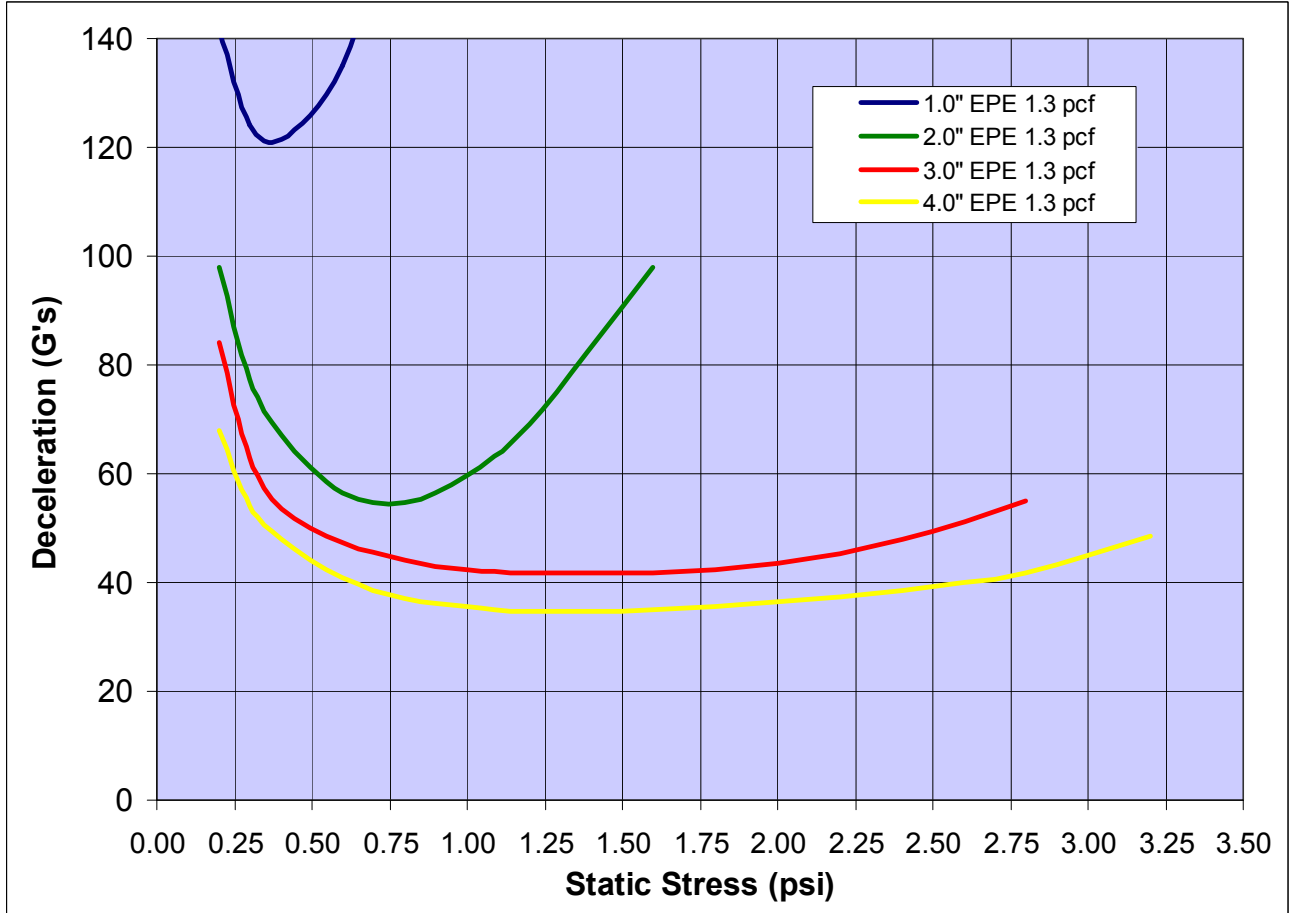


Note: 20g/l = 1.3 pcf = 46X (g/l = grams per liter; pcf = pounds per cubic foot; X = foam expansion ratio)

## Cushioning Performance Curve for 20 g/l (1.3 pcf) ARPAK® EPE Foam 30 inch Drop, 1<sup>st</sup> Drop & 2<sup>nd</sup> thru 5<sup>th</sup> Drop; 1", 2" and 3" Thicknesses



## Cushioning Performance Curve for 20 g/l (1.3 pcf) ARPAK EPE Foam 36 inch Drop, 2<sup>nd</sup> thru 5<sup>th</sup> Impact/Drop - 1", 2", 3" and 4" Thickness'

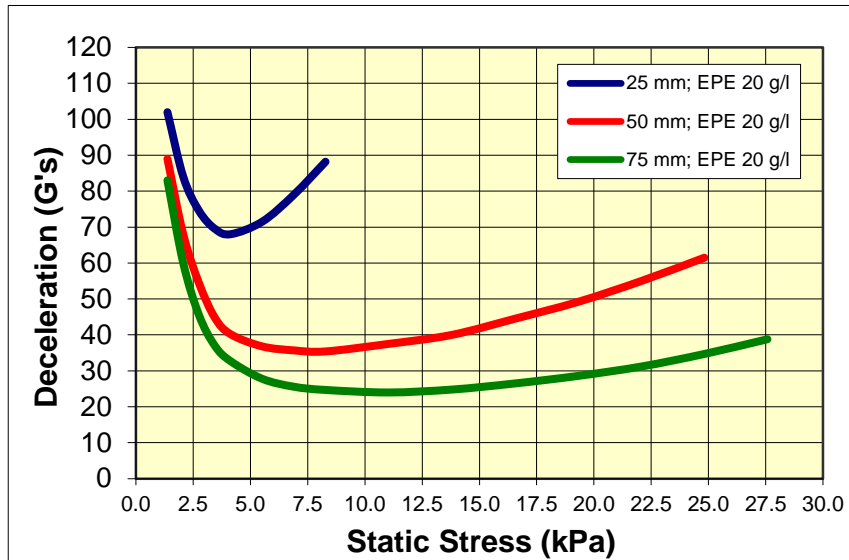


Note: 20 g/l = 1.25 pcf = 45X (g/l = grams per liter; pcf = pounds per cubic foot; X = foam expansion ratio)

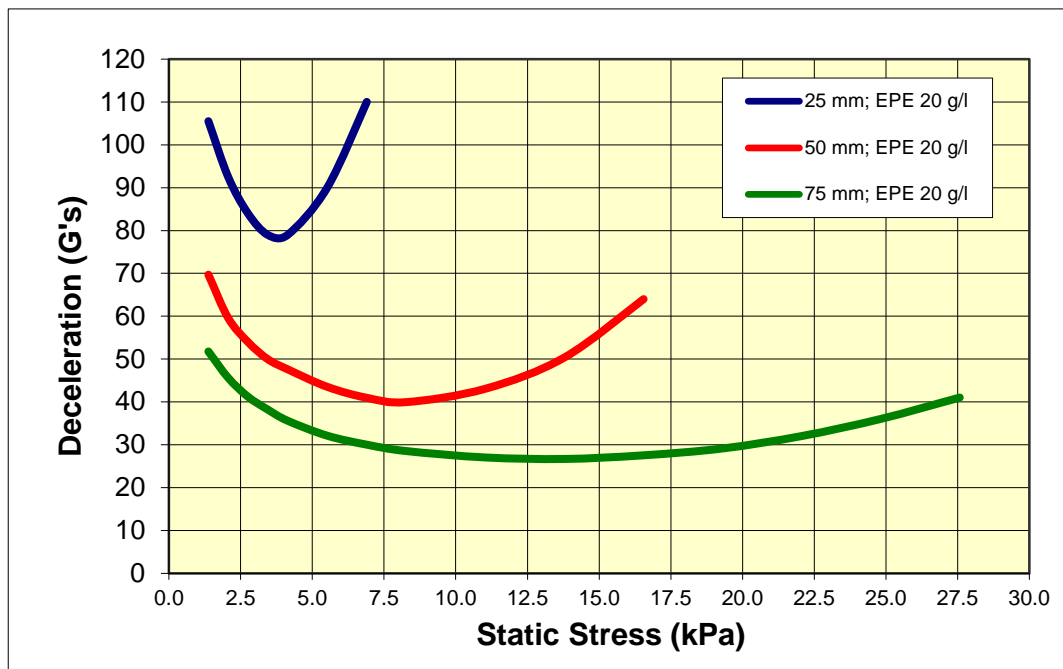




## Cushioning Performance Curve for 20 g/l (1.3 pcf) ARPAK® Expanded Polyethylene (EPE) 60 cm Drop, 1<sup>st</sup> & 2<sup>nd</sup> thru 5<sup>th</sup> Impact/Drop – 25, 50, & 75 mm Thicknesses



1<sup>st</sup> Drop



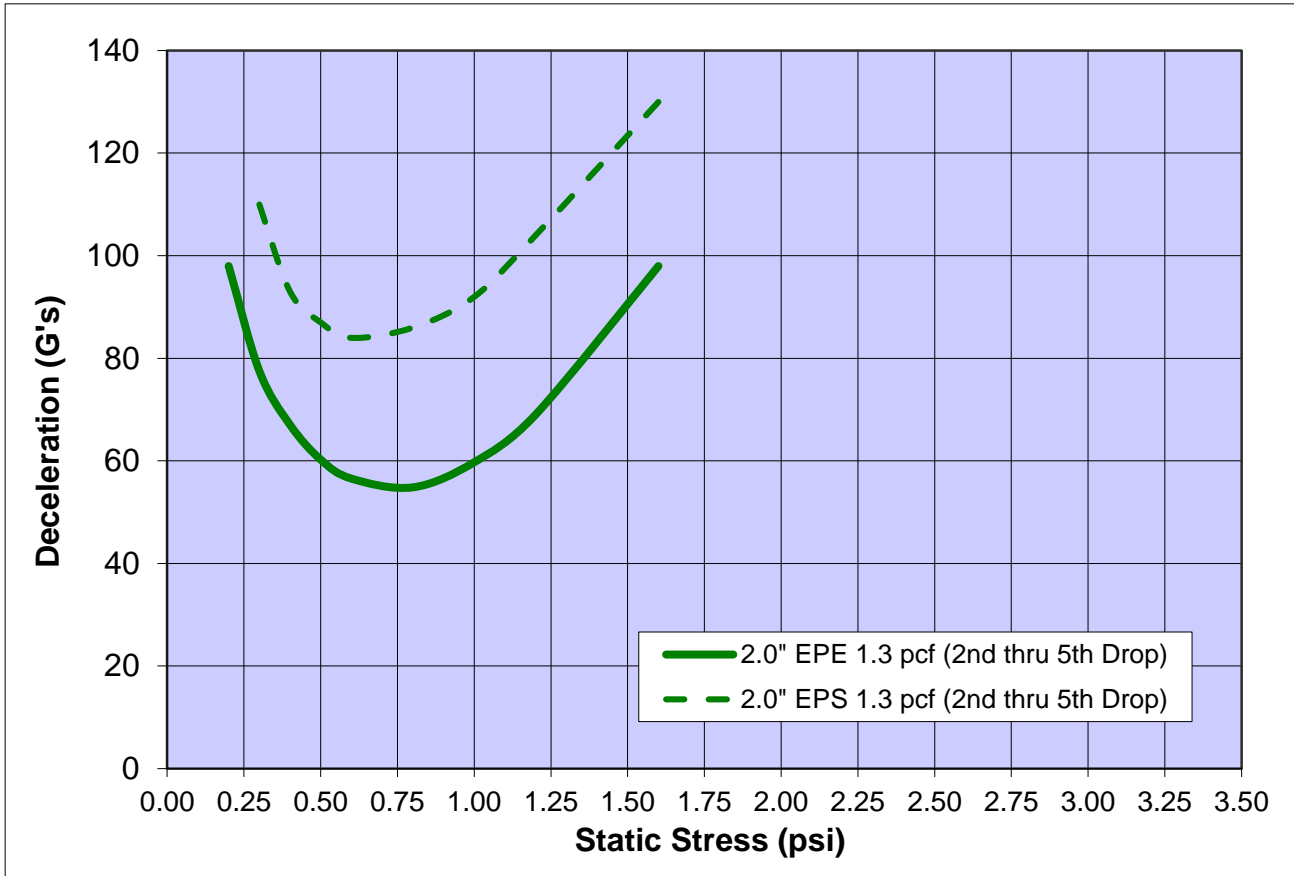
2<sup>nd</sup> thru 5<sup>th</sup>  
Drops (Avg)

ARPLANK® Brand ARPPAK® Expanded Polyethylene Foam (EPE) is a highly resilient closed-cell expanded bead foam product. It is ideally suited as an energy absorbing cushioning material for products requiring shock absorption, vibration dampening, insulation, and chemical resistance. It withstands multiple impacts without damage, is very light-weight and is non-abrasive for Class A surfaces. It is also multi-directional in nature. Unlike traditional extruded foams, which yield different properties along the extrusion, vertical and horizontal axes, the properties of ARPAK® EPE are the same regardless of orientation. ARPAK® EPP contains no volatile blowing agents (0% LEL) and is non-corrosive. These properties make ARPAK® EPP an ideal and versatile product for protective packaging applications.

ARPAK® is a registered trademark of JSP Licenses LLC. PUBLICATION JSP-techdoc-cushioncurve-EPE20g(1.3pcf)-60cm(24")-25-50-75mmThk-1<sup>st</sup>&2<sup>nd</sup>thru5th-2019/06

The information contained herein is based upon the results of limited laboratory tests on test samples of material molded from expanded polyolefin resin manufactured by JSP. There can be no assurance that the similar results will be achieved in simulated tests or actual use of commercial product molded by customers of JSP. Product performance may vary substantially depending upon the particular application or processing involved. The listed properties are illustrative only and not the product specifications. All suggestions and recommendations are made without warranty since the conditions of use are beyond JSP's control. Processing and applications of JSP foam products can influence molded part performance in many ways. Consequently, processors and/or users are advised that there may be a need to conduct independent tests and experiments in order for them to determine the extent to which they may choose to rely upon such information in their business operations. JSP disclaims any liability in connection with the use of the information and does not warrant against infringement by reasons of the use of its products in combination with other material or in any process.

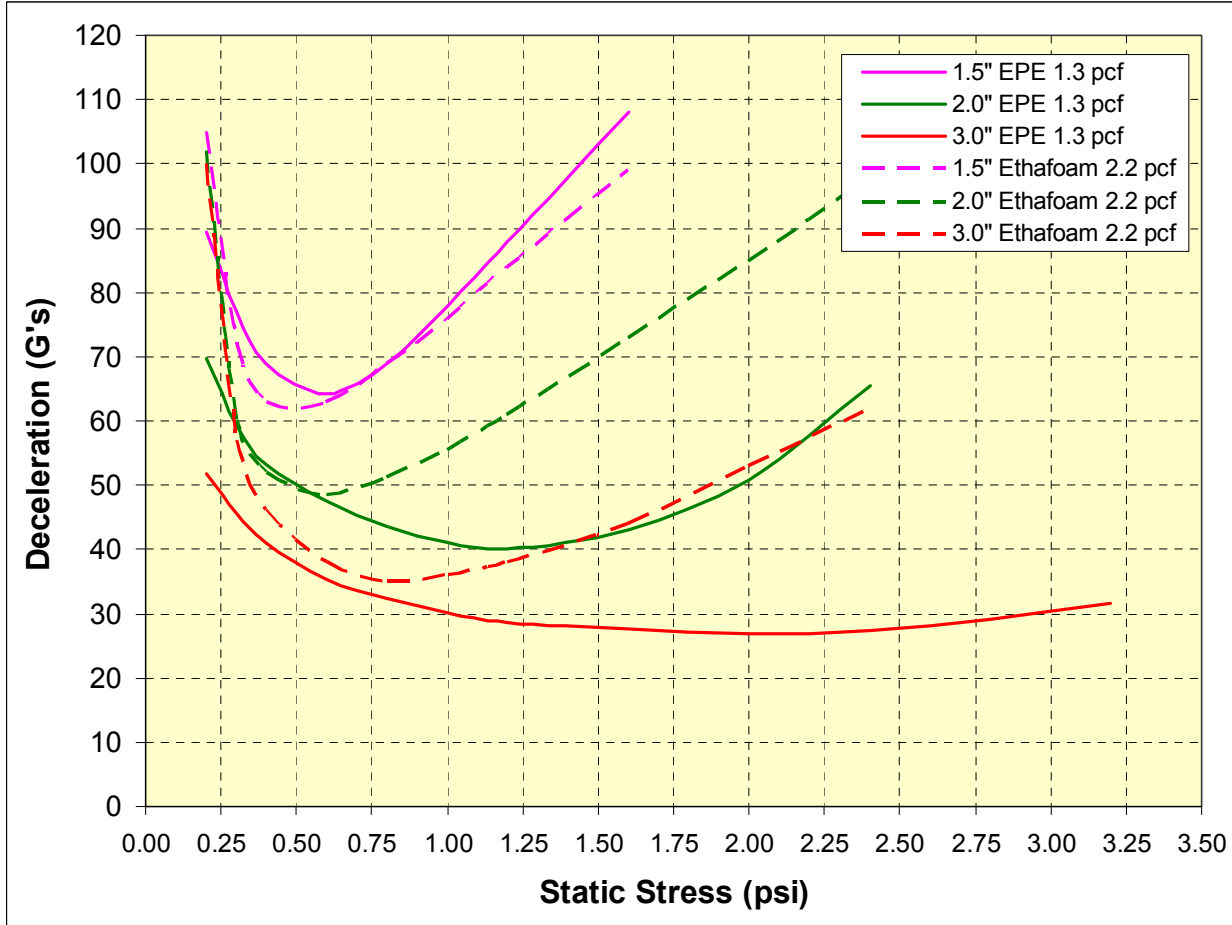
**Cushioning Performance Curve  
for 20 g/l (1.3 pcf) ARPAK® EPE vs. 20 g/l (1.3 pcf) EPS  
36 inch Drop, 2<sup>nd</sup> thru 5<sup>th</sup> Impact/Drop - 2" Thickness**



Note: 20 g/l = 1.25 pcf (g/l = grams per liter; pcf = pounds per cubic foot)

## Cushioning Performance Curve

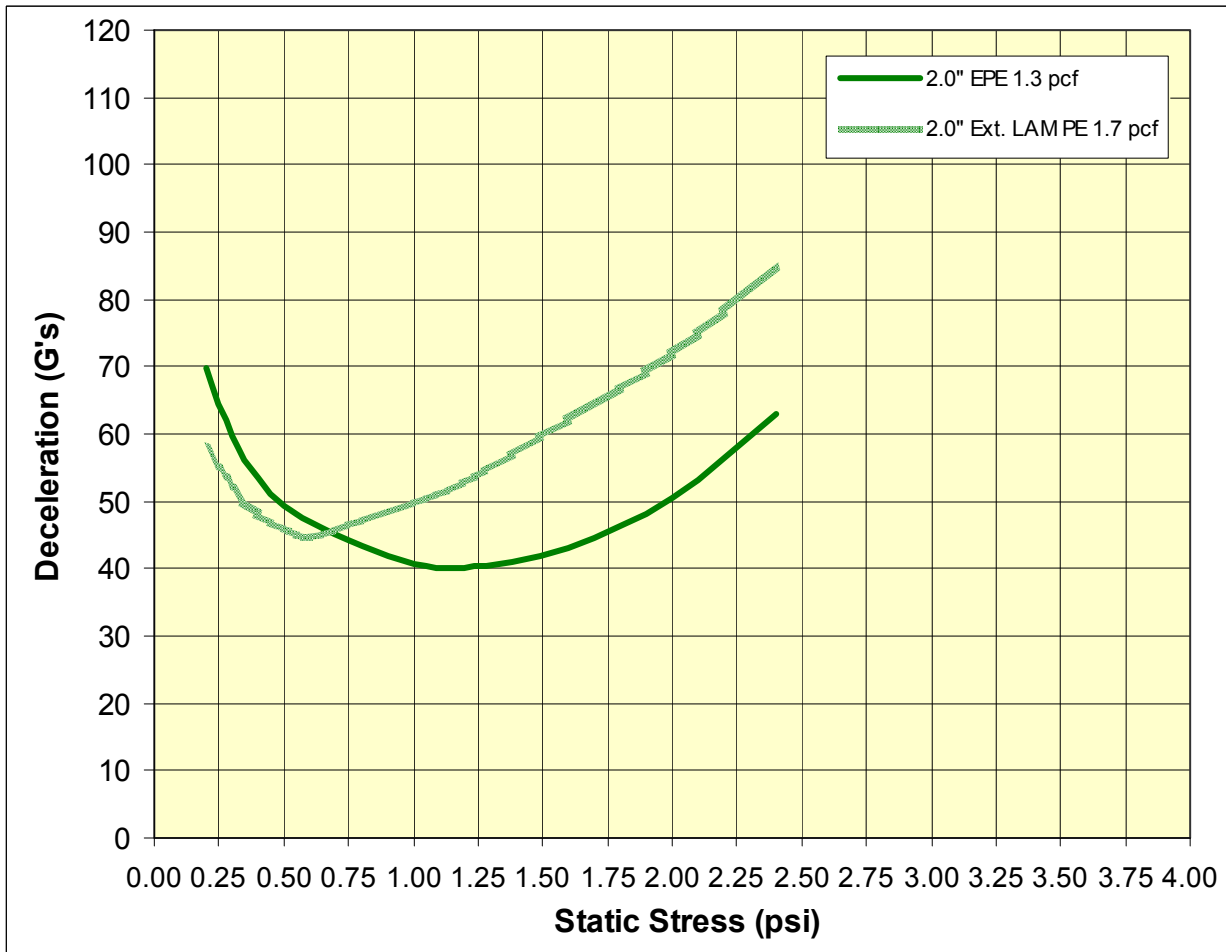
1.3 pcf ARPAK® Expanded Polyethylene (EPE) vs. 2.2 pcf Ethafoam  
 30 inch Drop, 2<sup>nd</sup> thru 5<sup>th</sup> Impact/Drop – 1.5", 2", and 3" Thickness'



Note: 20g/l = 1.3 pcf = 46X (g/l = grams per liter; pcf = pounds per cubic foot; X = foam expansion ratio)

## Cushioning Performance Curve

1.3 pcf ARPAK® Expanded Polyethylene (EPE) vs. 1.7 pcf Ext. LAM PE  
 24 inch Drop, 2<sup>nd</sup> thru 5<sup>th</sup> Impact/Drop – 2” Thickness



Note: 1.3 pcf = 20.8 g/l = 46X (pcf = pounds per cubic foot; g/l = grams per liter; X = foam expansion ratio)