

# Dyneema<sup>®</sup> SB117

The performance game changer

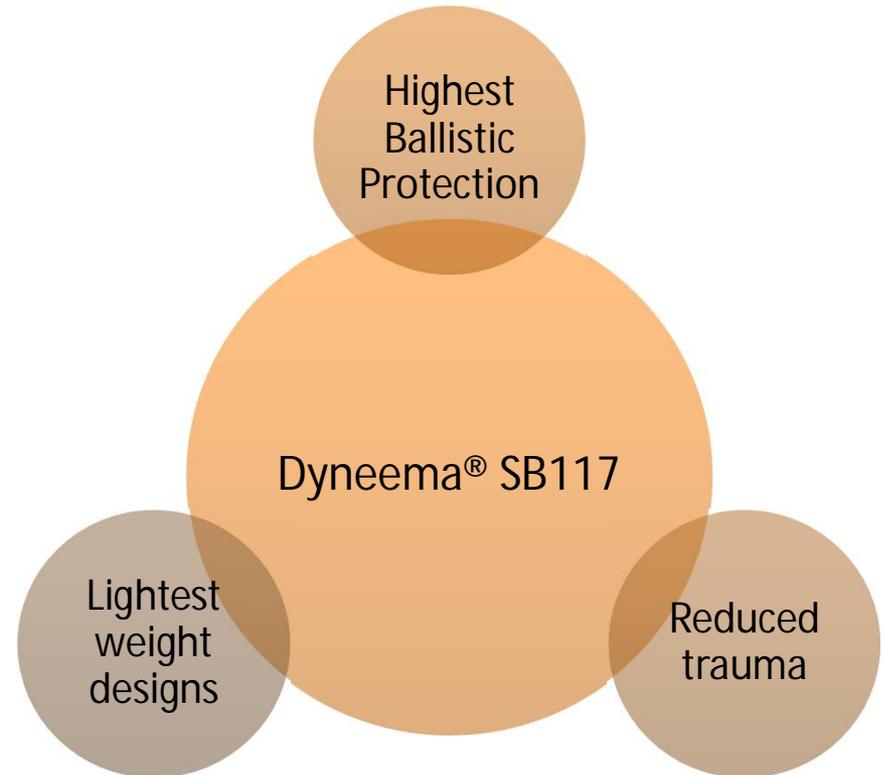


Dyneema<sup>®</sup> SB117

# A NEW ERA IN ARMOR FOR PERSONAL PROTECTION

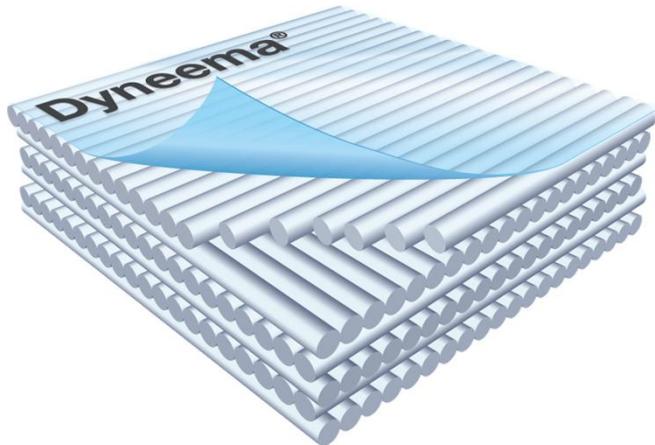
# Going where no armor has gone before!

- Radical Innovation
  - Fusion of science, technology, and engineering
  - Over 3 years of development
  - Multi-functional, global teamwork
- Resulting in the pinnacle of ballistic performance at extremely light weight



# Product Overview

- Construction  
Film/0/90/0/90/0/90/Film
- Areal Density  
0.0442 psf (216 g/m<sup>2</sup>)



## Radical Innovation

- 15% stronger fiber
- Increased ballistic performance
- Reduced back face deformation

## Key Attributes & Benefits

Excellent bullet performance

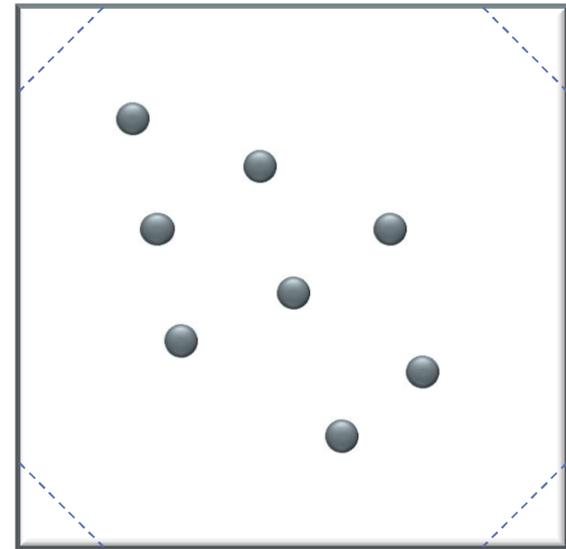
Excellent frag performance

Excellent trauma performance

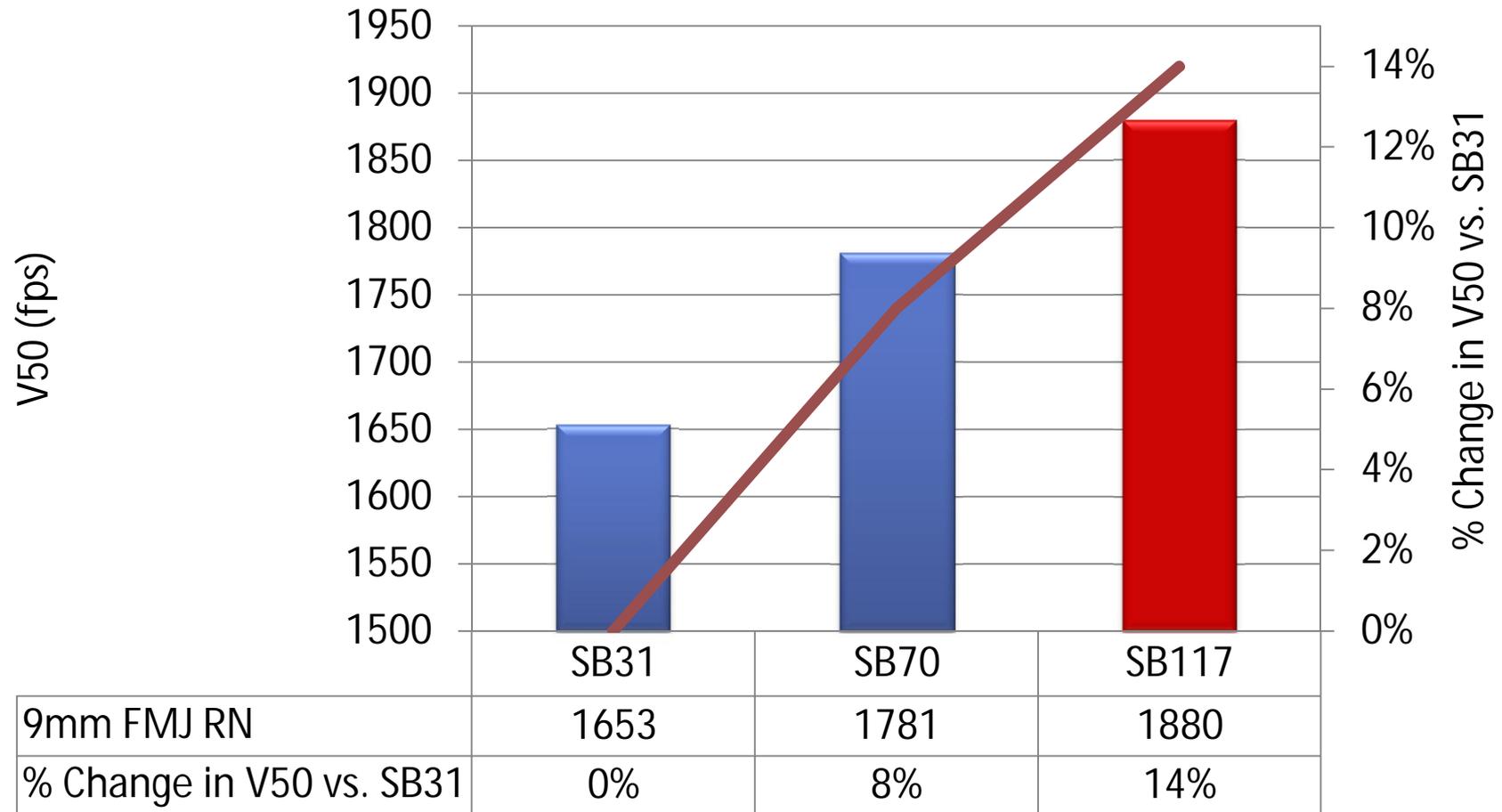
# TECHNICAL DATA

# NIJ06 V<sub>50</sub> Ballistic Pack Specification

- Shoot Pack  
15 x 15 inch
- Stitching  
Corner stitched
- Ballistic Pack Carrier / Cover  
None
- Number of Shoot Packs  
5
- Backing  
Conditioned Roma Clay
- Areal Density  
0.75 psf
- Test Location  
DSM Dyneema Technical Center

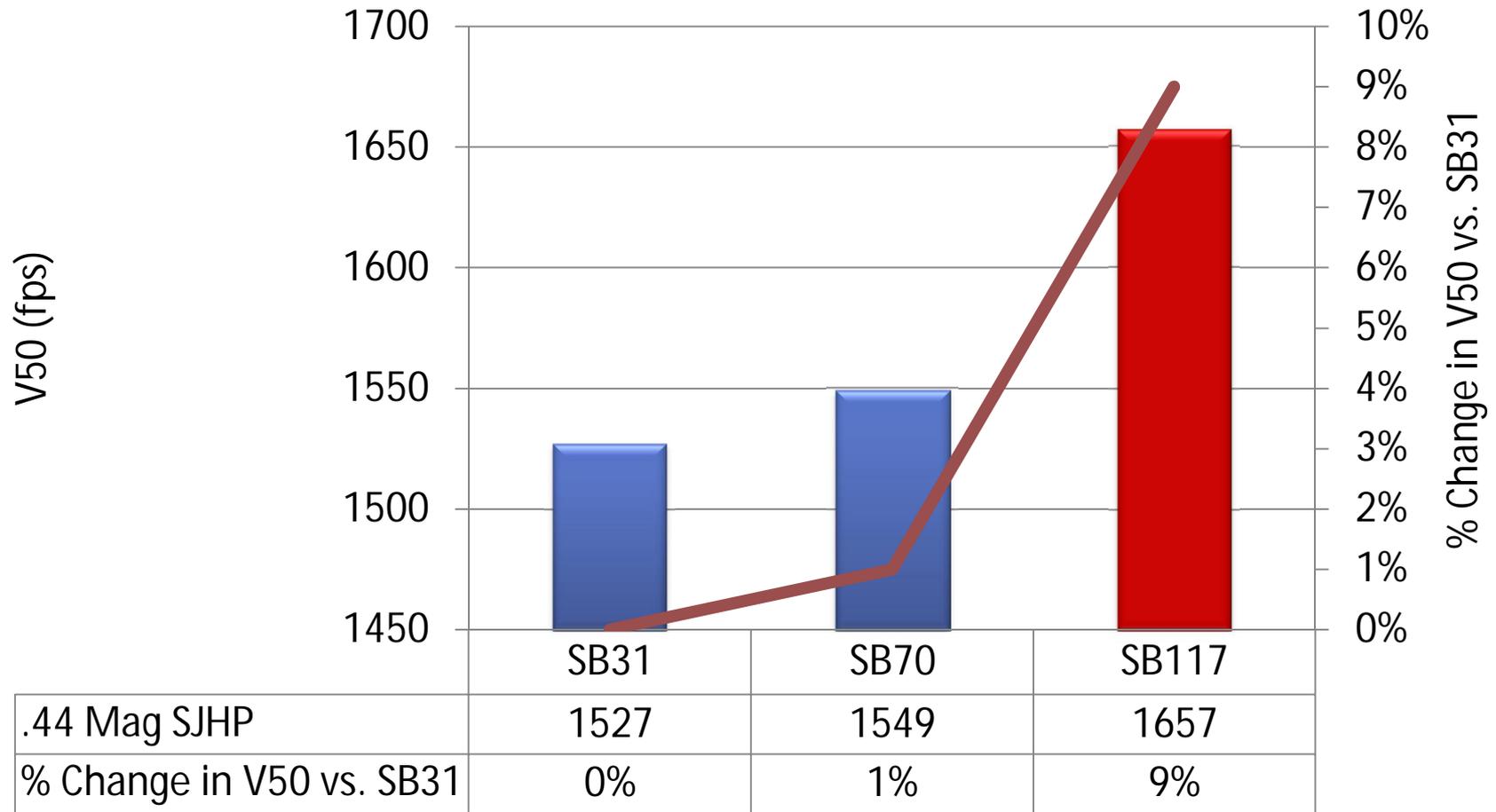


# 9mm FMJ RN V<sub>50</sub> Performance



14% improvement vs. SB31, 6% improvement vs. SB70

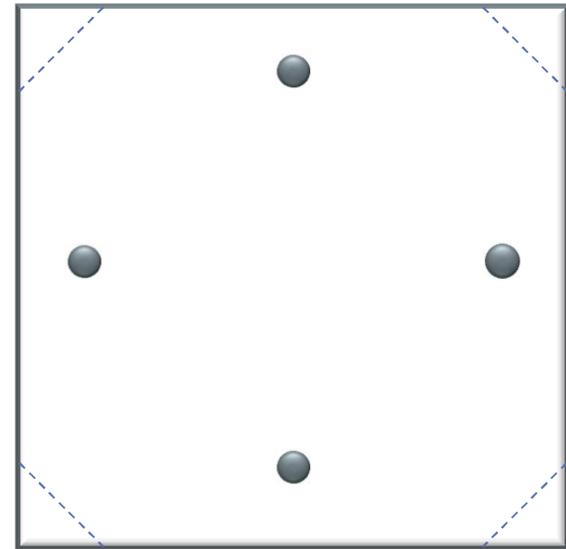
# .44 Magnum SJHP - V<sub>50</sub> Performance



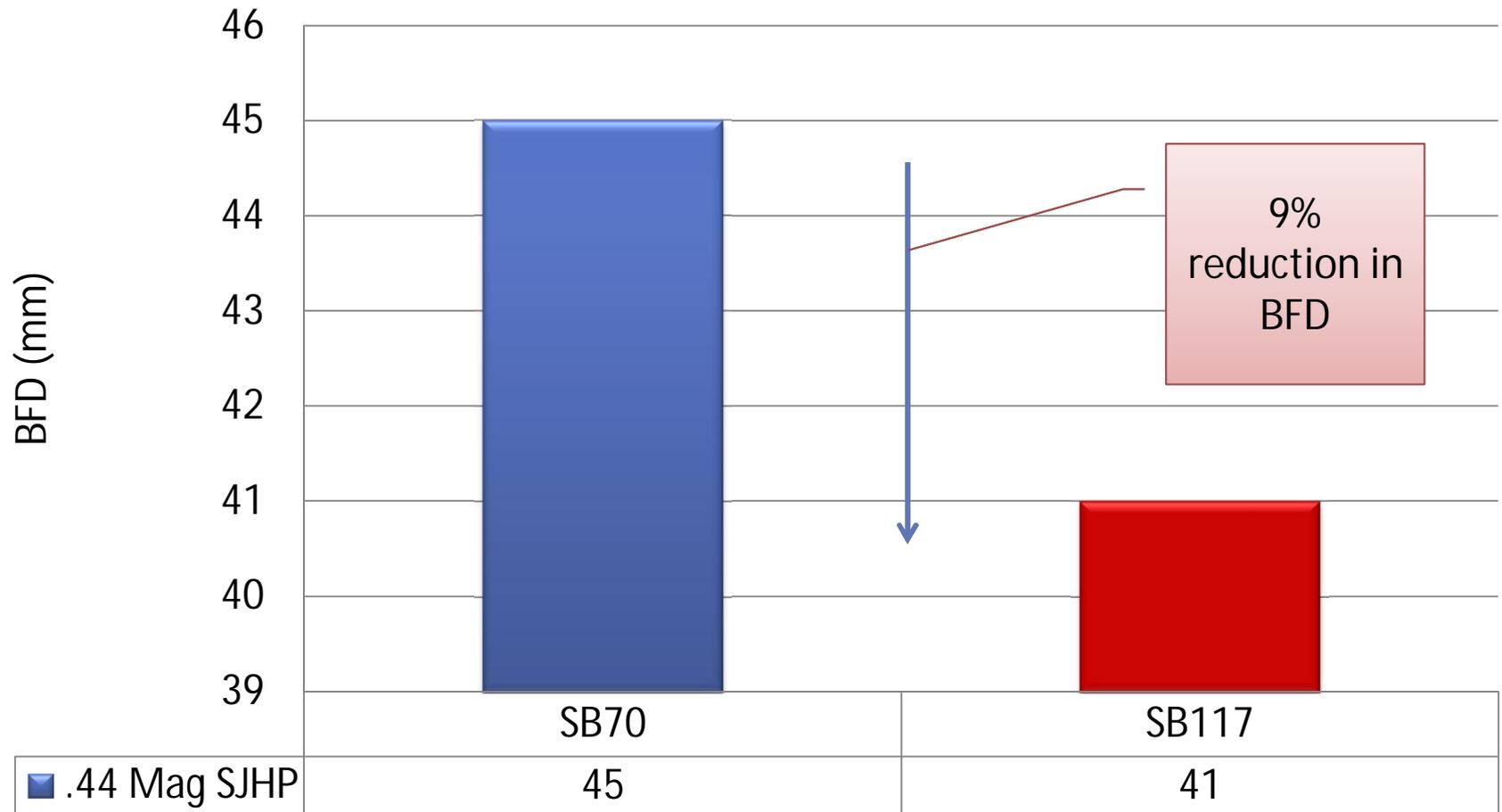
9% improvement vs. SB31, 8% improvement vs. SB70

# NIJ06 P-BFS Ballistic Pack Specification

- Shoot Pack  
15 x 15 inch
- Stitching  
Corner stitched
- Ballistic Pack Carrier / Cover  
None
- Number of Shoot Packs  
5
- Backing  
Conditioned Roma Clay
- Areal Density  
1.0 psf
- Test Location  
DSM Dyneema Technical Center



# .44 Mag SJHP P-BFS Performance



# PORTFOLIO POSITIONING

# SB117 in the Dyneema portfolio

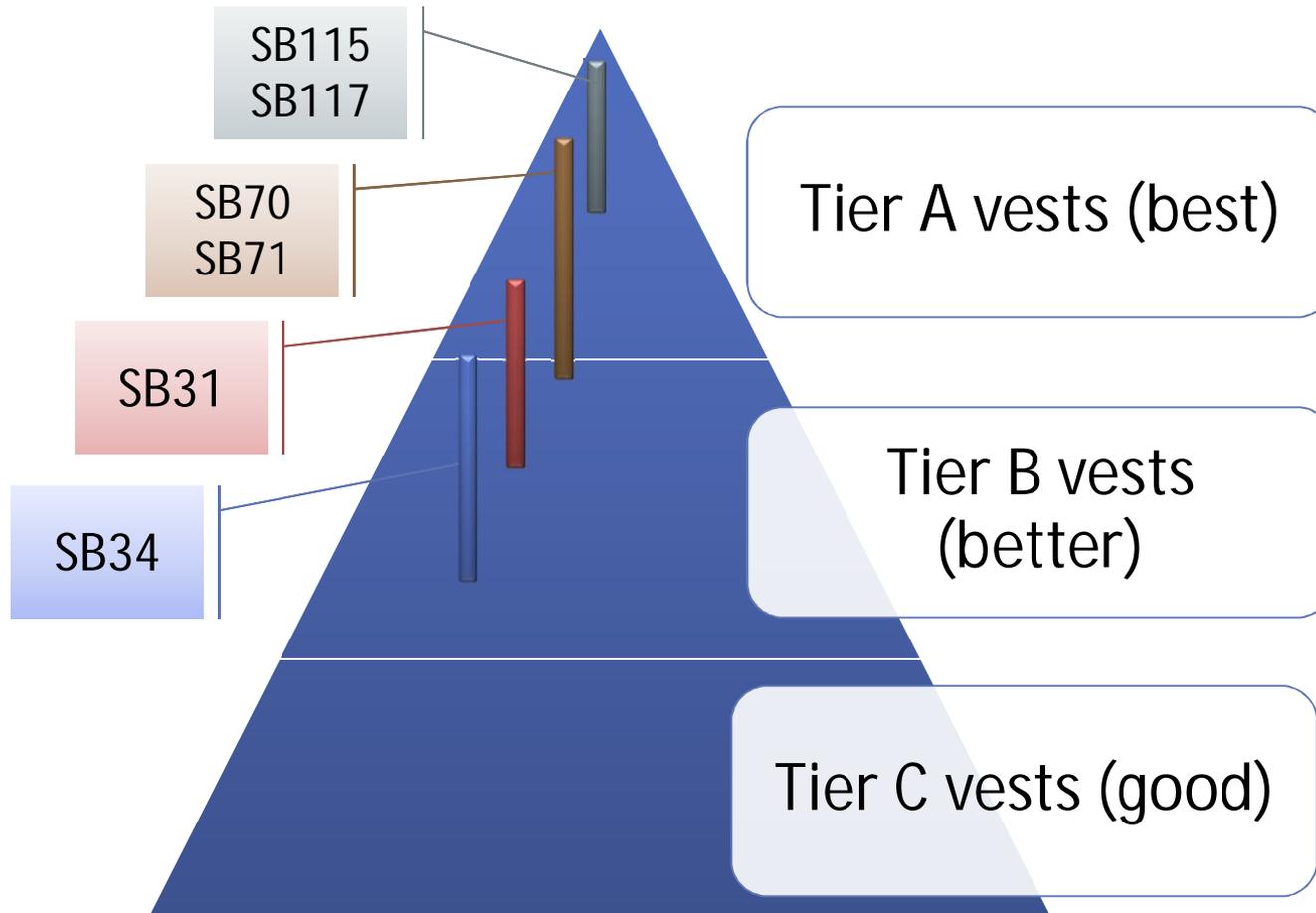
Ballistic performance at the top of the Dyneema portfolio

The highest performing UHMWPE in the market

Enabling the lightest weight, highest performing, soft ballistic packages

When performance is THE factor...SB117 is the clear choice!

# Portfolio Positioning - Soft Ballistics



Expanding the portfolio reach into the mid-market

# Portfolio Overview

## Dyneema's soft ballistic portfolio

SB117

SB115

SB71

SB70

SB51

SB34

SB31

SB21

### The "high performance" portfolio within the portfolio

#### SB115

- Outstanding performance + flexibility/comfort

#### SB117

- Highest performance
- Enabling the lightest weight solutions

# Dyneema<sup>®</sup> SB117

## Radical innovation

- New fiber development
- Optimized UD construction

## Excellent bullet, frag, and trauma performance

- Outperforms all current Dyneema soft ballistic grades

Enabling the lightest weight, highest performing soft ballistic solutions

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