



Medtronic

SOFAMOR DANEK

CORNERSTONE[®] PSR

VERTE-STACK[®] PEEK Vertebral Body Spacer



The CORNERSTONE[®] PSR Advantage

- Radiolucent
- Titanium x-ray markers to verify placement
- 4° tapered design for optimal anatomic fit
- Bone-like modulus
- Strength
- Long-term biocompatibility
- Designed for use with CORNERSTONE[®] Instruments



CORNERSTONE® PSR

VERTE-STACK® PEEK Vertebral Body Spacer

Combining superior strength, impact resistance and radiolucency.

Polyetheretherketone (PEEK) polymer has been a material of choice for applications requiring outstanding resistance to heat, steam, radiation and wear for more than 20 years. It combines superior strength and impact resistance with radiolucency allowing for complete inspection of the implant with x-ray and CT scanning.

The PEEK polymer continues to revolutionize the medical industry with applications where the use of plastics was previously thought to be impossible.

Modulus of Elasticity is a measure of a material's stiffness. The higher the modulus of elasticity, the stiffer the material.



Elastic Modulus (GPa)

Cancellous Bone	0.5 – 5
HYDROSORB® PLDLA	3.15*
PEEK	3.7
CFRP	8.8
Cortical Bone	18
Commercially Pure Titanium	100
Titanium Alloy (Ti-6Al-4V)	110

*Time = 0, sterilized

Compression Testing

CORNERSTONE® PSR	15,000N
CORNERSTONE® HSR	7,000N
Cortical Bone	10,000N
Cancellous Bone	2,200N
Titanium Alloy	25,000+N

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listen. respond. deliver.