

Defender shock pads have been tested and certified to meet or exceed the requirements of international sports regulatory organizations including FIFA, ESTO and STC.

## COMPOSITION

DEFENDER shock pads are manufactured from post-industrial recycled and rebonded polyurethane foam which has a homogeneous, open-celled structure.

## PHYSICAL & PERFORMANCE CHARACTERISTICS

Thickness .....	14 .....	mm
Weight .....	0.60 .....	lbs/ft <sup>2</sup>
Density .....	14.98 .....	lbs/ft <sup>3</sup>
Roll size .....	82.0 x 6.9 .....	ft
Roll coverage .....	565 .....	ft <sup>2</sup>
Gmax (pad only) .....	218 .....	-
HIC (pad only) .....	760 .....	-
Compression set @ 25% .....	1.2 .....	%
Compression set @ 50% .....	2.3 .....	%
Compression set @ 75% .....	4.2 .....	%
Compression force deflection @ 25% .....	17.1 .....	lbs/in <sup>2</sup>
Compression force deflection @ 50% .....	34.7 .....	lbs/in <sup>2</sup>
Compression force deflection @ 75% .....	142.9 .....	lbs/in <sup>2</sup>
Tensile strength, length .....	75.1 .....	lbs/in <sup>2</sup>
Tensile strength, width .....	42.2 .....	lbs/in <sup>2</sup>
Tensile Elongation, Length .....	52.5 .....	%
Tensile Elongation, width .....	78.2 .....	%
Dimensional Stability .....	>99 .....	%
Linear thermal expansion .....	0.00185 .....	in/ft/°C
Thermal conductivity (R-value) .....	0.287 .....	m <sup>2</sup> -K/W
Permeability .....	308 .....	in/hr
Lateral flow @ 0.5% slope .....	68.7 .....	gal/min/ft
Transmissivity @ 0.5% slope .....	1.42   E-02 .....	m <sup>2</sup> /sec
Water storage capacity .....	0.254 .....	gal/ft <sup>2</sup>
CAM-17 .....	PASSED .....	

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