



DEFENDER. I2

Technical Data Sheet



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	12	mm
Weight	0.59	lbs/ft ²
Density	14.98	lbs/ft ³
Roll size	69.9 x 6.9	ft
Roll coverage	475	ft ²
Gmax (pad only)	235	-
HIC (pad only)	868	-
Compression set @ 25%	1.6	%
Compression set @ 50%	2.5	%
Compression set @ 75%	3.8	%
Compression force deflection @ 25%	15.3	lbs/in ²
Compression force deflection @ 50%	33.6	lbs/in ²
Compression force deflection @ 75%	141.6	lbs/in ²
Tensile strength, length	64.1	lbs/in ²
Tensile strength, width	41.2	lbs/in ²
Tensile Elongation, Length	70.9	%
Tensile Elongation, width	79.3	%
Dimensional Stability	>99	%
Linear thermal expansion	0.00185	in/ft/°C
Thermal conductivity (R-value)	0.256	m ² -K/W
Permeability	177	in/hr
Lateral flow @ 0.5% slope	1.07	gal/min/ft
Transmissivity @ 0.5% slope	2.22 E-04	m ² /sec
Water storage capacity	0.254	gal/ft ²
CAM-17	PASSED	

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