

## J-Lite Expanded TPU: Lightweight & Slip-Resistant



### Overview

J-Lite is a proprietary expanded TPU formulation that is up to 40% lighter than rubber and can be molded to .7 density.

J-Lite soles offer long-lasting performance and durability typically associated with much heavier materials: the unique microcellular structure maintains a high level of surface roughness throughout the lifetime of the sole.

### J-Lite capabilities include:

- 1 Compatibility with all upper materials
- 2 Easily bonded to uppers with little preparation, saving you time
- 3 Two-color molding and staining, traditional and special colors as well as "non-yellowing white" are available.



# Material Standard of J-Lite

Test Item	Unit	Test Result	Additional Info
Hardness	scale	60 - 65	Shore A
Density, Molded	g/ml	0.65 - 0.7	n/a
Tensile Strength	kg/cm <sup>2</sup>	32.6	n/a
Elongation	%	550	n/a
Die C Tear	kg/cm	25	n/a
Abrasion	mm <sup>3</sup>	150	DIN
Ross Flex @ RT	amount	>100,000	Cycles until failure
Dry	0.75		James
	Wet	0.55	James
	Oily/Wet	0.4 - 0.45	7 drops oil / James
Dry	0.75		James
	Wet	0.55	James
	Oily/Wet	0.4 - 0.45	7 drops oil / James

Jones & Vining molds a wide variety of TPU materials in addition to our proprietary J-Lite.

With great wear-resistance and flexibility, TPU can provide a sole with shock-absorption and durability matched to your exact budget and footwear design.

## TPU Product Attributes:

- 1 Abrasion-resistant
- 2 Oil-resistant
- 3 Wear-resistant
- 4 Weather-resistant
- 5 Good tear strength and flexibility.