

## Hardness conversion of thin Hardox® wear sheet

### General Product Description

Thin Hardox® wear sheet offers an effective wear solution even below 0.098" thickness.

Hardox® wear sheet is an abrasion-resistant steel with a nominal hardness range between 400 - 500 HBW. This document serves as a formal supplement to existing datasheets, it is recommended to review this document alongside the original product datasheet.

Brinell hardness testing is less suitable for very thin gauges. Hence, the tensile strength is measured and guaranteed. The corresponding hardness is calculated by material specific conversion based on a thickness range where both Brinell Hardness and tensile strength are consistent measurement methods.

### Mechanical Properties

Product	Thickness (in)	Typical hardness (HBW), not guaranteed	Tensile strength R <sub>m</sub> (MPa)
Hardox® 400 sheet	0.079 - 0.098	370 - 430	172 - 201
Hardox® 450 CR sheet	0.031 - 0.83	425 - 475	201 - 226
Hardox® 450 sheet	0.079 - 0.098	425 - 475	201 - 226
Hardox® 500 sheet	0.079 - 0.098	470 - 530	226 - 252

### Contact Information

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