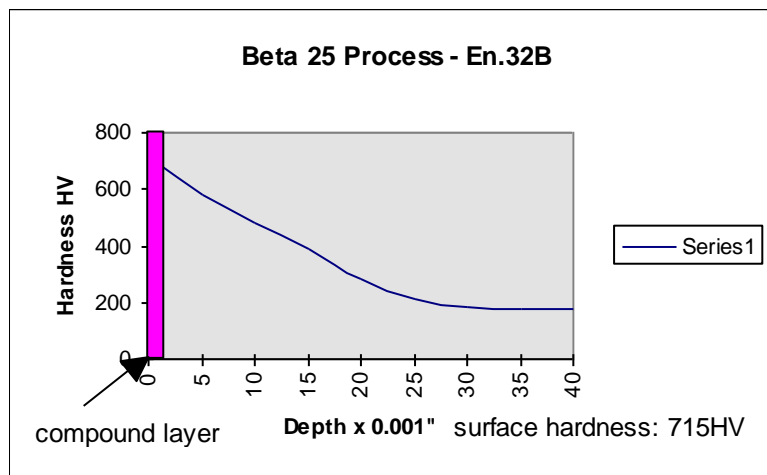




Data Sheet

- Process:** Beta 25 Process #
- Description:** A revolutionary extended austenitic thermo-chemical process which imparts outstanding wear and indentation resistance with added corrosion resistance to mild and low alloy steels. Can replace the use of more expensive materials.
- Application:** Applied to mild and low alloy steels where wear resistance and medium to heavy indentation resistance is required but with a minimum of distortion during processing. Eliminates the need for expensive post-treatment plating or phosphating. Beta processed components will outperform traditionally case hardened components particularly in aggressive environments.
- Typical components:** Gears, Mining equipment components, Shafts, Slides, Chain Pins and Rollers, Bearings etc.
- Metallurgical Aspects:** Compound layer depth: 0.025 - 0.05 mm.
Compound layer hardness: 800 μ HV plus
Substrate hardness: Dependant upon material

Beta 25 is a trademark of Huyton Heat Treatments (2010)Ltd



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