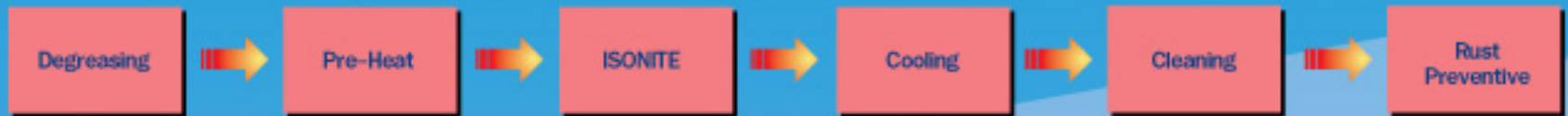


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ISONITE

Isonite or Salt Bath Soft Nitriding, low temperature salt bath nitriding (560–580°C), is a unique surface hardening process applicable to all kind of ferrous metals.

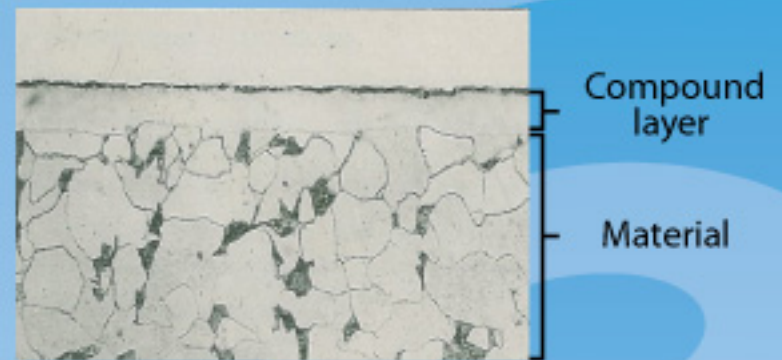
PROCESS FLOW



Characteristics

- Improve wear resistance of surface.
- Obtain high surface hardness.
- Increase the endurance limit in fatigue.
- Improvement of corrosion resistance.
- Low material distortion after treatment.

Microstructure



APPLICATION

- Use for High-Alloy steel.
- High thermal resistance.



Engine Valve

Material : SPCC
Isonite : 90 min
Compound Layer $\geq 8 \mu\text{m}$
Surface Hardness $\geq 350 \text{ Hmv}$

Surface roughness is suitable for adhesion property



Brake Pad

Long life time and re-treatment after use



Aluminium Extrusion Dies



NIHON PARKERIZING CO.,LTD.
THAI PARKERIZING CO.,LTD.