

Mild steel is a type of steel that contains a low amount of carbon and no alloying elements. Because of this, it has unique properties - it is a ductile, machinable and weldable metal unlike its high carbon content or alloyed counterparts. It is a popular POS material due to its affordability and malleability.

How it's made...

Mild steel is made by melting iron ore and coal together. Purities are then burned off in another furnace, this is also where any chemical composition adjustments are made. This is then be formed into a rectangular shape and then be formed into sheets or useful shapes using hot rolling or cold drawing.



PROS

- Mild steel is extremely malleable - it can be bent, cut and twisted into shape.
- Lightweight compared to high carbon steel.
- It is an affordable metal - expensive alloys are not necessary for retail displays.
- Can be recycled endlessly without losing its properties.
- It is a magnetic material - magnetic graphics and sign holders can be fitted to it.
- Mild steel units will last longer than a card or plastic display - meaning disposal or recycling will occur less.



CONS

- Low tensile strength - putting folds into the material is one way to prevent the material bending.
- Surface rust can occur - painting or coating the mild steel will protect the mild steel.



DisplayMode Sustainability Rating



Start-of-Life (SOL)
Is it made from recycled material?

Recycled Content

End-of-Life (EOL)
Can it be recycled?

Yes it is Recyclable

Economic Value

Compared with similar products



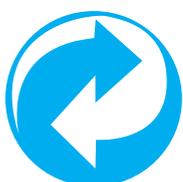
Low Price

High Price

When should I consider Mild Steel?

Mild steel provides great strength properties when folded and fixed into position. It can be powder coated in a wide range of colours and finishes. A mild steel unit would be useful in a high traffic environment where a plastic unit would break.

Mild Steel End-of-Life



Steel can be recycled repeatedly without losing its properties. It does however require a lot of energy - how this power is generated affects how eco-friendly mild steel is. Because metal is a long-lasting material the unit life is a lot longer when made in metal, this means recycling and/or disposal will occur a lot less regularly.

