

HIPS

Material Guide

High Impact Polystyrene (HIPS) is a cost-effective, tough plastic that is easy to fabricate and thermoform. We use HIPS a lot, it can be formed to create product locators and trays. It can also be flood-coated and used for longer-term product shelf trays. It is less brittle than plastics like Acrylic, making it great for lower cost, robust, semi-permanent displays.

How it's made...

Polystyrene by itself is a brittle material that is only useful for a handful of applications. However, when it is combined with other components like polybutadiene or rubber it becomes a copolymer. The plastic will become a stiffer and stronger material (HIPS) which is less susceptible to breaking due to its increased toughness and impact resistance.



PROS

- HIPS has good impact resistance, making it suitable for high traffic environments.
- It is easy to machine and form meaning displays can be made efficiently to a high standard.
- It is relatively low cost.
- It has a good level of flexibility.
- It can be printed on or flood-coated to give a particular Pantone colour - preventing the need for a tonnage order of specifically coloured material.



CONS

- It is flammable - but then so are most things, just keep your HIPS units away from fire.
- It has poor solvent resistance - this is not a common issue in POS but must be considered.



DisplayMode Sustainability Rating



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

No Recycled Content

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

Yes it is Recyclable

When should I consider HIPS?

HIPS is best when you need a low-cost display that will last longer than a card display. Its high impact resistance means it will survive for longer in a high traffic environment. HIPS should also be considered if the Pantone reference of your unit needs to be specific as it can be flood coated to match.

Economic Value

Compared with similar products

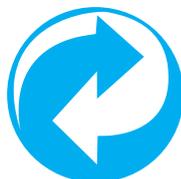


Low Price

High Price



HIPS End-of-Life



HIPS is 100% recyclable. As it is a thermoplastic it can be heated again and remoulded into something new.

