PETG
Material Guide

DisplayMode
Manufacturing & Design

PETG is a very popular material in the POS industry. It is a clear material that is often used to make sign holders - we use it to make our Reflex Select range. It is a strong and durable plastic that will take a beating without breaking! It is a great material to manufacture with and is a strong cost-effective alternative to acrylic or polycarbonate.

How it's made...

PETG is an oil-based polymer. It is an extension to the material PET - PETG comes from adding glycol. PET gives the material its rigidity and glycol reduces the brittle effect, making the material more hard-wearing and as a result longer lasting than just PET. The material can also be UV protected and easily sterilised.
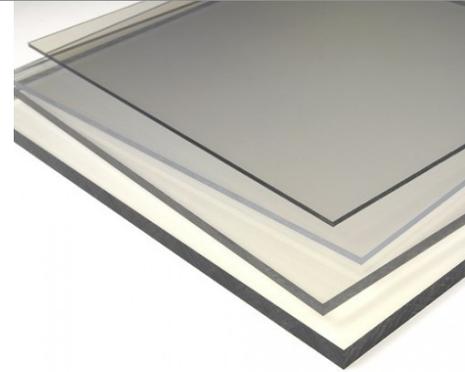
PROS

- It is a hard-wearing product - meaning it is less likely to crack when it takes impact.

- It is a food-safe plastic making it suitable for places where food is exposed.

- PETG is easy to fabricate - It can be laser cut, heat bent, vacuum formed and injection moulded.

- It is cost-effective when compared to materials like acrylic.

CONS

- It can have a yellow tinge if not manufactured correctly. We do however trust our suppliers to always produce the best materials.

- It cannot be polished. For a more premium glass-like option we would use acrylic.

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 PETG?

PETG is the material to go for when you need something clear, robust, durable and cost effective. It may not be as premium as acrylic but it is less likely to brake as it is less brittle. Our Reflex Select products are made from PETG and stand the test of time in supermarkets.

Economic Value
Compared with similar products

● ● ○ ○ ○

Low Price   High Price

PETG End-of-Life

PETG, like acrylic, is recyclable. This recycling is done in China but with developments into sustainability, we hope to see the recycling services for PETG become more widely available.