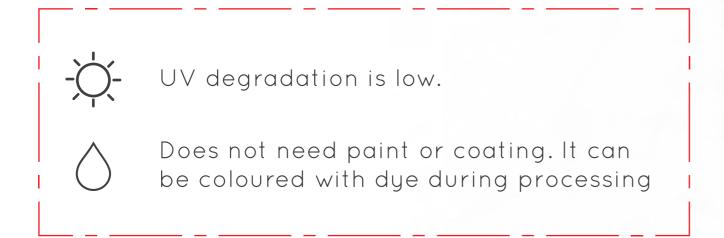
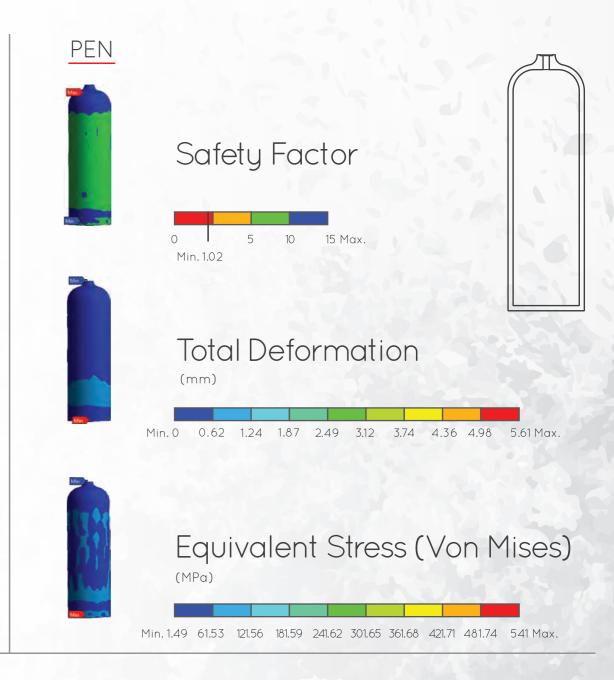
## Polyethylene Naphthalate

This polymer is a great substitute for the aluminium however due to its high tensile strength it now distorts on the flat bottom.

To counteract this distortion I shall round the base.

PEN comes in many forms, however I would look to use its granular form for blow moulding.





	Aluminium 6061 - T6	Polyethylene Naphthalate
Tensile Yield Strength	276 MPa	550 MPa
Modulus of Elasticity	68.9 GPa	12.2 GPa
Poisson's Ratio	0.33	0.44
Density	2.7 g/cc	2.7 g/cc

## Polyethylene Naphthalate (PEN)

