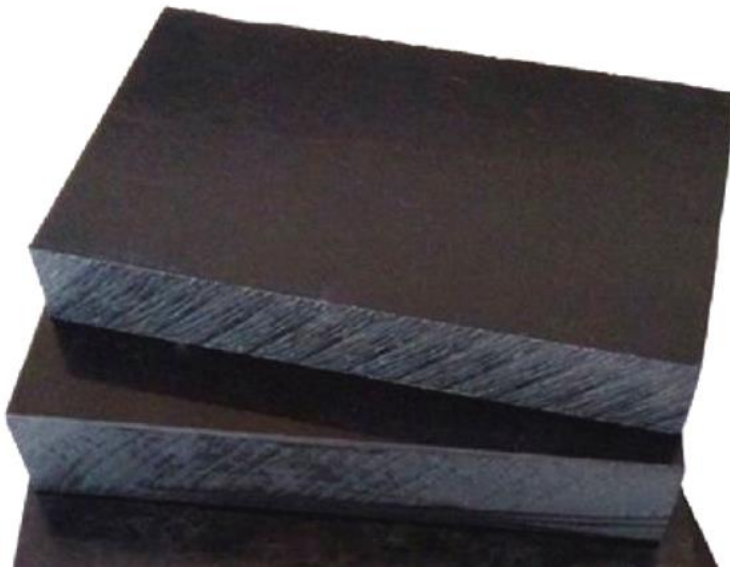




POM (Delrin) Solid Plastic Acetal Sheet

Acetal or polyacetal is a semi-crystalline thermoplastic and is a member of the family of plastics called polyoxymethylene (POM), also refer to as Delrin (trade mark) plastic. This material offers high mechanical strength and rigidity, excellent wear, low moisture absorption and excellent dimensional stability. Acetal solid plastic sheet is classified as an engineering plastic and, due to its unique properties, is ideal for use in a wide range of industries and is also one of the best engineering plastics for machining.



SKU: ERM1202

Brief Data:

- Color: Black
- Material: Acetal (Delrin).
- Density: 1.41g/cm³
- Tensile Strength: 60MPa.
- Hardness: M86 Rockwell
- Flammability Rating: UL 94 HB
- Water Absorption: 0.5%
- Maximum Operating Temperature: +100°C
- Elongation: 30%
- Polymer Type: Copolymer.

Ordering Information:

SKU	Thickness (mm)	Area WxL (mm)
ERM202	10	200X250

Useful to know:

POM is a hard plastic with a smooth, glossy surface on both the front and back sides. The material is often used for technical purposes in mechanical engineering such as gears, precision mechanics etc. as the material wears extremely well, is robust and slides easily. POM scratches easily and is therefore not recommended for projects where the material has to appear presentable. Please be aware that POM is not suitable for gluing.

Vector and raster engraving:

POM can be both vector and raster engraved. The material does not become discoloured by the etching. There will be a whitish deposit from the laser around the etched area. This can easily be wiped off with a cloth.

Laser cutting:

Top - There will be soot deposits along the score line. However, these can easily be wiped away. Please be aware that POM is laser cut without any protective film, which means that the material is easily scratched.

Edges - the edges have a sharp appearance and are in the same colour as the rest of the material.

Bottom - Along the score line, there will be soot deposits from the laser cutting in a honeycomb pattern from the grid it is cut on. However, most of this can easily be wiped away. Please be aware that POM is laser cut without any protective film.

Finishing treatments:

POM can be finished and processed to give it a nice surface. However, POM should not be painted or glued.



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