

Polystone® P MG - (Medical Grade Polypropylene)

NEW

Polystone® P MG

Polystone® P MG is a compression molded polypropylene that is manufactured by a unique heat stabilization process. The state of the art material is easily machined and is specifically designed for surgical trays and caddies due to its excellent dimensional stability, resistance to steam autoclaving and low moisture absorption.

In addition Polystone® P MG can be laser marked and is USP Class VI and FDA compliant.

Material Properties:

- Excellent dimensional stability
- Resistant to steam autoclaving
- Laser markable
- Low moisture absorption

Other Medical Grade Plastics offered by Röchling:

- SustaPEEK MG
- SustaPEI MG (Ultem®)
- Sustason PPSU MG (Radel® R)
- Sustarin® C MG (Acetal)
- Sustason PSU MG (Polysulfone)
- Polystone® P MG (Polypropylene)



Polystone® P MG is specifically designed for surgical trays and caddies.

Available as sheet:

- (½" - 3") x 24" x 48"
- (½" - 3") x 40" x 48"
- (½" - 3") x 48" x 120"

Colors: Black and White

| Property | Units | Test Method | Value Natural |
|------------------------------------|-------------------|-------------|---------------|
| Specific Gravity | g/cm ³ | ASTM D 792 | 0.91 |
| Tensile Strength at Yield | psi | ASTM D 638 | 4,900 |
| Elongation at Yield (2in/min) | % | ASTM D 638 | 13 |
| Flexural Modulus | psi | ASTM D 790 | 200,000 |
| Notched Izod Impact (73F, 0.126in) | Ft-lb/in | ASTM D 256 | 1.30 |
| Melting Point | °F | DSC | 327 |

The values indicated result from numerous measurements for an approximation of the values and are to our best knowledge. They serve as information about our products and are presented as a guide to choose from a range of materials. This however does not include an assurance of specific properties or the suitability for particular application purposes that are legally binding. Since the properties also depend on the dimension of the semi-finished products and the degree of crystallization (e.g. nucleating by pigments), the actual values of the properties of a particular product may differ from indicated values.

Röchling Engineering Plastics offers the most comprehensive product line in the USA and Canada including:

- Polystone® M (UHMW-PE)
- Polystone® P (Polypropylene)
- Polystone® G (HDPE)
- Sustamid® Nylon
- Sustarin® Acetal
- Susta HPM's



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