

## Polystone® P MG - (Medical Grade Polypropylene)

### 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.

Introducing our NEW brighter white color for an even better appearance to meet the preferences of hospitals and surgeons. In addition Polystone® P MG can be laser marked and is USP Class VI and FDA compliant.

Polystone® P MG is manufactured as large sheets and then cut to standard sizes. We not only offer standard sizes in 24" x 48" and 40" x 48" but also as a 48" x 120" sheet. The larger sheet dramatically improves the part yield and reduces handling time during machining. Even larger sizes, as well as custom widths and lengths are also available upon request

### Material Properties:

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



Polystone® P MG is specifically designed for instrument cases, surgical trays & caddies.

### Available as sheet:

- (1/2" - 3") x 24" x 48"
- (1/2" - 3") x 40" x 48"
- (1/2" - 3") x 48" x 120"

Property	Units	Test Method	Value Natural
Specific Gravity	g/cm <sup>3</sup>	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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