



# Product Data Sheet

## 100% Post-Consumer Polypropylene 510

### PHYSICAL PROPERTIES

	ASTM Method	Properties (Mean)	Properties (Range)
Specific Gravity: $W_1 / (W_1 - W_2)$	D792	0.917 g / cm <sup>3</sup>	0.90 – 0.920 g / cm <sup>3</sup>
Melt Flow: @230° C / 2.16kg	D1238	5.4 g / 10 min	4 – 7 g / 10 min
Ash Content: @800° C 15 min	D5630	.98%	.80% - 1.0%

### MECHANICAL PROPERTIES

Tensile Strength: @ Yield	D638	4,895 psi	4,670 – 5,170 psi
Elongation: @ Yield	D638	10.93%	9% - 15%
Flexural Modulus: 1% Secant	D790	233,775 psi	210,000 – 274,000 psi
Izod Impact Strength: @ Break	D256	.993 ft-lbs / in	.94 – 1.08 ft-lbs / in

### PROPERTY NOTES

Values are for guideline purposes only - actual stated values are based upon ASTM testing standards. Performance may vary depending upon injection-molding conditions or product design. Significant loss of physical properties may occur if material is run above degradation temperature.

St. Joseph Plastics makes no warranties or specific use recommendations. This data sheet does not guarantee product performance, license to operate, suitability, conditions for safe handling, or specific fitness of product. For specific safety recommendations consult the SDS information.

Product standard color is black. Other colors available upon request.

### SUGGESTED MOLDING PARAMETERS

Melt Temperature:	Feed Zone: 350° F / 135° C
	Barrel: 375° - 450° F / 191 - 232° C
	Mold: 100° - 150° F / 38 - 66° C



#### GRINDING

4515 Easton Rd.  
St. Joseph, MO 64503



#### WASHING

1500 Sedalia Rd.  
Sedalia, MO 65301



#### COMPOUNDING

1102 5th Ave.  
St. Joseph, MO 64505