



Product Data Sheet

SJP3520 30% Post-Consumer Polypropylene

PHYSICAL PROPERTIES

	ASTM Method	Properties (Mean)	Properties (Range)
Specific Gravity: $W_1 / (W_1 - W_2)$	D792	0.925 g / cm ³	0.90 – 0.935 g / cm ³
Melt Flow: @230° C / 2.16kg	D1238	35 g / 10 min	34 – 37 g / 10 min
Ash Content: @800° C 15 min	D5630	2%	1% - 4%

MECHANICAL PROPERTIES

Tensile Strength: @ Yield	D638	3,000 psi	2,500 – 3,400 psi
Elongation: @ Yield	D638	10%	8% - 14%
Flexural Modulus: 1% Secant	D790	140,000 psi	120,000 – 160,000 psi
Izod Impact Strength: @ Break	D256	2.0 ft-lbs / in	1.8 – 2.5 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



GRINDING

4515 Easton Rd.
St. Joseph, MO 64503



WASHING

1500 Sedalia Rd.
Sedalia, MO 65301



COMPOUNDING

1102 5th Ave.
St. Joseph, MO 64505



St. Joseph
PLASTICS

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Mold: 100° - 150° F / 38 - 66° C



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