



Product Data Sheet

100% Post-Consumer Polypropylene 615FDA



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 | 10 g / 10 min | 8 – 12 g / 10 min |
| Ash Content: @800° C 15 min | D5630 | 1% | .55% - 2.8% |

MECHANICAL PROPERTIES

| | | | |
|-------------------------------|------|-----------------|-----------------------|
| Tensile Strength: @ Yield | D638 | 3,800 psi | 3,400 – 4,200 psi |
| Elongation: @ Yield | D638 | 10% | 8% - 12% |
| Flexural Modulus: 1% Secant | D790 | 160,000 psi | 130,000 – 190,000 psi |
| Izod Impact Strength: @ Break | D256 | 1.5 ft-lbs / in | 1.3 – 2.0 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

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St. Joseph, MO 64503



WASHING

1500 Sedalia Rd.
Sedalia, MO 65301



COMPOUNDING

1102 5th Ave.
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