

# Aarolene® ARPS 100-1

General Purpose Polystyrene

Aaron Industries Corp.

Message:

A Reprocessed General purpose Polystyrene resin compounded black specifically designed for all high speed injection molding applications.

| General Information                                     |                   |                   |             |
|---|-------------------|-------------------|-------------|
| Recycled Content  | Yes               |                   |             |
| Uses  | General Purpose   |                   |             |
| Appearance  | Black             |                   |             |
| Processing Method                                       | Injection Molding |                   |             |
| Physical  | Nominal Value     | Unit              | Test Method |
| Specific Gravity  | 1.05              | g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)                | 12                | g/10 min          | ASTM D1238  |
| Molding Shrinkage - Flow                                | 0.60              | %                 | ASTM D955   |
| Mechanical  | Nominal Value     | Unit              | Test Method |
| Tensile Strength (Break)                                | 39.3              | MPa               | ASTM D638   |
| Flexural Modulus  | 3030              | MPa               | ASTM D790   |
| Impact  | Nominal Value     | Unit              | Test Method |
| Notched Izod Impact (23°C)                              | 32                | J/m               | ASTM D256   |
| Thermal   | Nominal Value     | Unit              | Test Method |
| Deflection Temperature Under Load (1.8 MPa, Unannealed) | 87.8              | °C                | ASTM D648   |

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