

Aarolene® AVPS 100-3

High Impact Polystyrene

Aaron Industries Corp.

Message:

A Virgin High Impact Polystyrene natural in color specifically designed for Injection Molding Applications.

| General Information | | | |
|--|------------------------|-------------------|-------------|
| Features | High Impact Resistance | | |
| Appearance | Natural Color | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity | 1.05 | g/cm ³ | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (200°C/5.0 kg) | 4.0 to 14 | g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow | 0.60 | % | ASTM D955 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield, 23°C) | 34.5 | MPa | ASTM D638 |
| Flexural Modulus | 2110 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | 110 | J/m | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 104 | °C | ASTM D648 |

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