Aarolene® AVPS 100-3

High Impact Polystyrene

Aaron Industries Corp.

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Technical Data

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

General	
Material Status	• Commercial: Active
Literature [1]	• Technical Datasheet (English) • Technical Datasheet (English)
Availability	• North America
Features	• High Impact Resistance
Appearance	• Natural Color
Processing Method	• Injection Molding

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.05	g/cm³	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			ASTM D648
0.45 MPa, Unannealed	104	°C	

Notes

[1] These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

[2] Typical properties: these are not to be construed as specifications.

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