

Aaron Industries AAROLENE® AVPS GPPS 100-1 Clear, Virgin Polystyrene Resin

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Transparent Grade

Material Notes:

A general purpose polystyrene resin, specifically designed for all injection molding applications.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aaron-Industries-AAROLENE-AVPS-GPPS-100-1-Clear-Virgin-Polystyrene-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.05 g/cc	1.05 g/cc	ASTM D792
Linear Mold Shrinkage	0.0060 cm/cm	0.0060 in/in	ASTM D955
Melt Flow	10 g/10 min	10 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	45.5 MPa	6600 psi	ASTM D638
Flexural Modulus	3.00 GPa	435 ksi	ASTM D790
Izod Impact, Notched	0.214 J/cm	0.400 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	85.0 °C	185 °F	ASTM D648

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	clear; thickness not quantified

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