

Aaron Industries AAROLENE® ARPS 100-1 GPPS BLACK Polystyrene Compounded Resin

Category : Polymer , Thermoplastic , Polystyrene (PS)

Material Notes:

AAROLENE® ARPS 100 Series Polystyrene Compounded Resin Features: A reprocessed, general-purpose Polystyrene resin, compounded black, specifically designed for all high speed injection molding applications.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aaron-Industries-AAROLENE-ARPS-100-1-GPPS-BLACK-Polystyrene-Compounded-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	12 g/10 min @Load 5.00 kg, Temperature 200 °C	12 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	39.3 MPa	5700 psi	ASTM D638
Flexural Modulus	3.03 GPa	440 ksi	ASTM D790
Izod Impact, Notched	0.320 J/cm	0.600 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	87.8 °C	190 °F	ASTM D648

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