

Aaron Industries AAROLENE® ARPS 100-3 HIPS Black Injection Grade Polystyrene Compounded Resin, Injection Molding

Category : Polymer , Thermoplastic , Polystyrene (PS) , Polystyrene, Impact Modified

Material Notes:

AAROLENE® ARPS 100 Series Polystyrene Compounded Resin Features: A high impact Polystyrene, custom colored black, featuring good flow and excellent toughness.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aaron-Industries-AAROLENE-ARPS-100-3-HIPS-Black-Injection-Grade-Polystyrene-Compounded-Resin-Injection-Molding.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	8.0 g/10 min @Load 5.00 kg, Temperature 200 °C	8.0 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	21.4 MPa	3100 psi	ASTM D638
Flexural Modulus	2.00 GPa	290 ksi	ASTM D790
Izod Impact, Notched	1.07 J/cm	2.00 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	81.1 °C	178 °F	ASTM D648

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