

Aaron Industries AAROLENE® ARPE HD 300-2 High Density Polyethylene Compounded Resin

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE

Material Notes:

AAROLENE® ARPE 300 Series Polyethylene Compounded Resin HDPE Color may be specified. Melt Flow Index may be specified. Specific Gravity may be specified.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aaron-Industries-AAROLENE-ARPE-HD-300-2-High-Density-Polyethylene-Compounded-Resin.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.950 - 0.962 g/cc	0.950 - 0.962 g/cc	ASTM D792
Linear Mold Shrinkage	0.015 cm/cm	0.015 in/in	ASTM D955
Melt Flow	0.30 - 50 g/10 min @Load 2.16 kg, Temperature 190 °C	0.30 - 50 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength	28.3 MPa	4100 psi	ASTM D638
Flexural Modulus	0.689 GPa	100 ksi	ASTM D790
Izod Impact, Notched	NB	NB	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	82.2 °C	180 °F	ASTM D648

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