

Axiall 19940 Wire & Cable Flexible PVC

Category : Polymer , Thermoplastic , Vinyl (PVC) , PVC, Wire and Cable Grade

Material Notes:

105°C rated insulation compound for 600V, 1/64 wall (18 AWG and larger) and 1000V applications. Approved by UL for THWN-2 (8 AWG and larger) and THW-2 in all sizes and colors. UL approved for 94 HB. UL recognized component for THHN, THW, THWN, TW, THWN-2, THW-2. Oil resistant I and VW-1 rated. Information provided by Georgia Gulf Georgia Gulf became Axiall Corporation in 2013.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Axiall-19940-Wire-Cable-Flexible-PVC.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.34 - 1.38 g/cc	1.34 - 1.38 g/cc	ASTM D-792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	91 - 97	91 - 97	delayed; ASTM D-2240
Hardness, Shore D	45 - 51	45 - 51	delayed; ASTM D-2240
Tensile Strength, Yield	20.0 MPa	2900 psi	ASTM D-638
Elongation at Yield	270.4 %	270.4 %	Air Aging: 168 hours @ 136°C; 30 mil slabs; UL 1581
	325 %	325 %	ASTM D-638
100% Modulus	0.0148 GPa	2.15 ksi	ASTM D-638

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-20.0 °C	-4.00 °F	ASTM D-746
Flammability, UL94	HB	HB	
Oxygen Index	28 %	28 %	ASTM D-638

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.00e+15 ohm-cm	2.00e+15 ohm-cm	50% RH; ASTM D-257

Processing Properties	Metric	English	Comments
Melt Temperature	193 °C	380 °F	

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