

## Axiall 19930 Wire & Cable Flexible PVC

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

**Material Notes:**

THHN-THWN circuit sizes. Best suited for 105°C; 1/64 (18 AWG and larger). Rated VW-1. CSA approved TWN75, TEW, AWM IA, FT1 constructions. UL recognized for TW, THW, THWN, THHN. Oil resistant I. 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-19930-Wire-Cable-Flexible-PVC.php](http://www.lookpolymers.com/polymer_Axiall-19930-Wire-Cable-Flexible-PVC.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.33 - 1.37 g/cc	1.33 - 1.37 g/cc	ASTM D-792

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	90 - 96	90 - 96	delayed; ASTM D-2240
Hardness, Shore D	42 - 48	42 - 48	delayed; ASTM D-2240
Tensile Strength, Yield	19.82 MPa	2875 psi	ASTM D-638
Elongation at Yield	271.9 %	271.9 %	Air Aging: 168 hours @ 136°C; 30 mil slabs; UL 1581
	330 %	330 %	ASTM D-638
100% Modulus	0.0128 GPa	1.85 ksi	ASTM D-638

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-22.0 °C	-7.60 °F	ASTM D-746
Oxygen Index	28 %	28 %	ASTM D-638

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.50e+15 ohm-cm	1.50e+15 ohm-cm	50% RH; ASTM D-257

Processing Properties	Metric	English	Comments
Melt Temperature	191 °C	375 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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