

## Axiall 18752 Wire & Cable Flexible PVC

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

### Material Notes:

Electrical grade extrusion compound with excellent low temperature performance. Maximum service temperature of 105°C  
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-18752-Wire-Cable-Flexible-PVC.php](http://www.lookpolymers.com/polymer_Axiall-18752-Wire-Cable-Flexible-PVC.php)

| Physical Properties | Metric           | English          | Comments   |
|---------------------|------------------|------------------|------------|
| Specific Gravity    | 1.30 - 1.34 g/cc | 1.30 - 1.34 g/cc | ASTM D-792 |

| Mechanical Properties   | Metric      | English   | Comments                                                |
|-------------------------|-------------|-----------|---------------------------------------------------------|
| Hardness, Shore A       | 72 - 78     | 72 - 78   | delayed; ASTM D-2240                                    |
| Tensile Strength, Yield | 13.1 MPa    | 1900 psi  | ASTM D-638                                              |
| Elongation at Yield     | 280 %       | 280 %     | Air Aging: 168 hours @ 136°C; 70 mil slabs; UL 1581     |
|                         | 320.3 %     | 320.3 %   | Oil Aging: 4 hour @ 80°C; #2 Oil; 35 mil slabs; UL 1581 |
|                         | 350 %       | 350 %     | ASTM D-638                                              |
| 100% Modulus            | 0.00586 GPa | 0.850 ksi | ASTM D-638                                              |

| Thermal Properties      | Metric   | English  | Comments   |
|-------------------------|----------|----------|------------|
| Brittleness Temperature | -52.0 °C | -61.6 °F | ASTM D-746 |
| Oxygen Index            | 24 %     | 24 %     | ASTM D-638 |

| Processing Properties | Metric | English | Comments |
|-----------------------|--------|---------|----------|
| Melt Temperature      | 182 °C | 360 °F  |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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