

Axiall 38702 Moldings & Extrusions Flexible PVC

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Flame retardant CATV and general purpose jacket with excellent low temperature properties. UL approved for 720 hour sunlight resistance in all colors. UL approved for 94 V-0 at 1.5 mm in all colors. 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-38702-Moldings-Extrusions-Flexible-PVC.php

| Physical Properties | Metric | English | Comments |
|---------------------|------------------|------------------|------------|
| Specific Gravity | 1.32 - 1.36 g/cc | 1.32 - 1.36 g/cc | ASTM D-792 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|------------|----------|---|
| Hardness, Shore A | 77 - 83 | 77 - 83 | delayed; ASTM D-2240 |
| | 84 - 90 | 84 - 90 | ASTM D-2240 |
| Tensile Strength, Yield | 17.9 MPa | 2600 psi | ASTM D-638 |
| Elongation at Yield | 252.8 % | 252.8 % | Air Aging: 10 days @ 100°C; 30 mil slabs; UL 1581 |
| | 320 % | 320 % | ASTM D-638 |
| 100% Modulus | 0.0107 GPa | 1.55 ksi | ASTM D-638 |

| Thermal Properties | Metric | English | Comments |
|-------------------------|--------------------|----------------------|------------|
| Brittleness Temperature | -42.0 °C | -43.6 °F | ASTM D-746 |
| Flammability, UL94 | V-0 | V-0 | All colors |
| | @Thickness 1.50 mm | @Thickness 0.0591 in | |
| Oxygen Index | 29 % | 29 % | ASTM D-638 |

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

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