

Axiall 21540 Coax & Telecom Flexible PVC Black 307

Category : Polymer , Thermoplastic , Vinyl (PVC)

Material Notes:

Semi-rigid flame retardant insulation compound with good electrical properties for minimum transmission interference. Suitable for use in riser insulation. Max service temperature rating of 80°C at 0.006" wall. This product contains 2% of a 20nm carbon black. 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-21540-Coax-Telecom-Flexible-PVC-Black-307.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 D	52 - 58	52 - 58	delayed; ASTM D-2240
Tensile Strength, Yield	22.8 MPa	3300 psi	ASTM D-638
Elongation at Yield	253.8 %	253.8 %	Air Aging: 7 days @ 121°C; 30 mil slabs; UL 1581
	300 %	300 %	ASTM D-638
100% Modulus	0.0190 GPa	2.75 ksi	ASTM D-638

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-25.0 °C	-13.0 °F	ASTM D-746
Oxygen Index	32 %	32 %	ASTM D-638

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	50% RH; ASTM D-257
Dielectric Constant	2.56	2.56	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	3.7	3.7	
	@Frequency 1000 Hz	@Frequency 1000 Hz	

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

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