

Manner Flexible PVC V972 NAT601

Manner Polymers - Flexible Polyvinyl Chloride

General Information

Product Description

Recommended Applications: Non-Lead Heat Stabilized 125°C Automotive Extrusion Compound for use in battery cables; Designed to meet ISO 6722 -40° to 125°C. This compound is RoHS compliant.

General

Material Status	• Commercial: Active
Availability	• North America
Additive	• Heat Stabilizer
Features	• Heat Stabilized • Low (to None) Lead Content
Uses	• Automotive Applications • Wire & Cable Applications
Agency Ratings	• ISO 6722
Appearance	• Natural Color
Processing Method	• Extrusion

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.27 to 1.31		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ²	2800	psi	ASTM D638
Tensile Elongation ² (Break)	300	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	82 to 88		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-36.4	°F	ASTM D746
Thermal Stability	300		IEC 811-3-2
Aging	Nominal Value	Unit	Test Method
Change in Ultimate Elongation in Air ³ (302°F, 240 hr)	5.0	%	UL 1581

Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	338 to 374	°F
Cylinder Zone 3 Temp.	338 to 374	°F
Cylinder Zone 5 Temp.	338 to 374	°F

Notes

¹ Typical properties: these are not to be construed as specifications.

² Unaged Dumbbells: .03 inch

³ Air Retention: .03 inch

