

## Manner Flexible PVC V969 NAT601

Manner Polymers - Flexible Polyvinyl Chloride

### General Information

#### Product Description

Recommended Applications: 105°C Low Smoke Jacket Compound . This product complies with the European Union Restriction on Hazardous Substances (RoHS) directive.

#### General

Material Status	• Commercial: Active
Availability	• North America
Features	• Low Smoke Emission
Uses	• Cable Jacketing      • Wire & Cable Applications
Appearance	• Natural Color

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.46 to 1.50		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 100% Secant <sup>2</sup>	1500	psi	ASTM D638
Tensile Strength <sup>2</sup>	2100	psi	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	250	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore D	49 to 55		
Shore D, 15 sec	41 to 47		
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	1.40	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air <sup>3</sup> (277°F, 168 hr)	6.0	%	UL 1581
Change in Ultimate Elongation in Air <sup>3</sup> (277°F, 168 hr)	-18	%	UL 1581
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	34	%	ASTM D2863

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> Unaged Dumbbells: .03 inch

<sup>3</sup> Air Retention: .03 inch

