

## Manner Flexible PVC V959 NAT601

Manner Polymers - Flexible Polyvinyl Chloride

### General Information

#### Product Description

Recommended Applications: Lead-free 90°C riser insulation/jacketing compound suitable for jackets where a high level of flame retardance and sunlight resistance is required. This compound contains a UV inhibitor for enhanced sunlight resistance. This product complies with the European Union Restriction on Hazardous Substances (RoHS) directive.

#### General

Material Status	• Commercial: Active		
Availability	• North America		
Additive	• UV Stabilizer		
Features	• Flame Retardant	• Low (to None) Lead Content	• UV Resistant
Uses	• Cable Jacketing	• Wire & Cable Applications	
Appearance	• Natural Color		

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

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.37 to 1.41		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup>	3000	psi	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	330	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	82 to 88		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-36.4	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air <sup>3</sup> (250°F, 168 hr)	1.0	%	UL 1581
Change in Ultimate Elongation in Air <sup>3</sup> (250°F, 168 hr)	-2.0	%	UL 1581
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	30	%	ASTM D2863

### Notes

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

<sup>2</sup> Unaged Dumbbells

<sup>3</sup> Air Aged Retention

