

Manner Flexible PVC V942 NAT601

Manner Polymers - Flexible Polyvinyl Chloride

General Information

Product Description

Recommended Applications: 75°C Communication Jacketing compound suitable for cables requiring a CATVR or OFNR rating. This compound meets 720 hour sunlight resistance in all colors. This compound complies with the European Union Restriction on Hazardous Substances (RoHS) directive.

General

Material Status	• Commercial: Active
Availability	• North America
Features	• Sunlight Resistant (720 hours)
Uses	• Cable Jacketing • Communication Cable Jacketing • Communication Wire Jacketing
Appearance	• Natural Color

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.40 to 1.44		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	2000	psi	ASTM D638
Tensile Elongation (Break)	350	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	• 80 to 86 • 83 to 89		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-27.4	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air ² (212°F, 240 hr)	-3.0	%	UL 1581
Change in Ultimate Elongation in Air ² (212°F, 240 hr)	-2.0	%	UL 1581
Retention of Tensile Elongation - 1500 hrs QUVA	-15	%	
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	34	%	ASTM D2863

Notes

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

² Air Aged Retention

