

Manner Flexible PVC V973 NAT601UV AF

Manner Polymers - Flexible Polyvinyl Chloride

General Information

Product Description

Recommended Applications: Lead-free 90°C riser insulation/jacketing compound suitable for fiber optic cables with excellent low temperature properties. This compound contains a UV inhibitor and an antifungal additive. This product complies with the Euro

General

Material Status	• Commercial: Active		
Availability	• North America		
Additive	• Antimicrobial (Fungicide)	• UV Stabilizer	
Features	• Fungus Resistant	• Heat Stabilized	• Low (to None) Lead Content
Uses	• Cable Jacketing	• Insulation	• Wire & Cable Applications
Appearance	• Natural Color		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.32 to 1.36		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ²	3300	psi	ASTM D638
Tensile Elongation ³ (Break)	400	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	92 to 98		
Shore A, 15 sec	91 to 97		
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature ⁴	-29.2	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air ⁵ (250°F, 168 hr)	-10	%	UL 1581
Change in Ultimate Elongation in Air ⁵ (250°F, 168 hr)	-9.0	%	UL 1581
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	32	%	ASTM D2863

Notes

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

² .05 inch

³ .05 inches

⁴ F50

⁵ Air Aged Retention

