

Manner Flexible PVC X3732B NAT601

Manner Polymers - Flexible Polyvinyl Chloride

General Information

Product Description

Recommended Applications: Lead free, general purpose tubing, profile extrusion and injection molding compound. This compound contains a UV inhibitor and an antifungal additive. This product complies with the European Union Restriction on Hazardous Substances (RoHS) directive.

General

Material Status	• Commercial: Active
Availability	• North America
Additive	• Antimicrobial (Fungicide) • UV Stabilizer
Features	• Fungus Resistant • Low (to None) Lead Content • General Purpose • UV Resistant
Uses	• General Purpose • Profiles • Tubing
Appearance	• Natural Color
Processing Method	• Extrusion • Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.36 to 1.40		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 100% Secant ²	1600	psi	ASTM D638
Tensile Strength ²	2680	psi	ASTM D638
Tensile Elongation ² (Break)	340	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	92 to 98		
Shore A, 15 sec	85 to 91		
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air ³ (212°F, 168 hr)	-4.0	%	UL 1581
Change in Ultimate Elongation in Air ³ (212°F, 168 hr)	5.0	%	UL 1581

Notes

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

² Unaged Dumbbells: .06 inch

³ Air Retention: .03 inch

