

Manner Flexible PVC X3591

Manner Polymers - Flexible Polyvinyl Chloride

General Information

Product Description

Lead-free PVC/NBR tubing and profile extrusion compound with oil resistance. This product complies with the European Union Restriction on Hazardous Substances (RoHS) directive.

General

Material Status	• Commercial: Active
Availability	• North America
Features	• Low (to None) Lead Content • Oil Resistant
Uses	• Profiles • Tubing
RoHS Compliance	• RoHS Compliant
Processing Method	• Extrusion • Profile Extrusion

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.26 to 1.30		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
0.0300 in	3400	psi	
100% Strain, 0.0300 in	1640	psi	
Tensile Elongation (Break, 0.0300 in)	360	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	84		
Shore A, 15 sec	78		
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength (158°F, 168 hr, in Oil)	2.0	%	ASTM D471
Change in Ultimate Elongation (158°F, 168 hr, in Oil)	-11	%	ASTM D471
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	27	%	ASTM D2863

Notes

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

