

Manner Flexible PVC P8170

Manner Polymers - Flexible Polyvinyl Chloride

General Information

Product Description

85°C General Purpose Extrusion Profile Compound. Designed for applications requiring Ford Material Specification ESB-M4D-103A. This product complies with the European Union Restriction on Hazardous Substances (RoHS) directive.

General

Material Status	<ul style="list-style-type: none"> Commercial: Active
Availability	<ul style="list-style-type: none"> North America
Features	<ul style="list-style-type: none"> General Purpose
Uses	<ul style="list-style-type: none"> Profiles
RoHS Compliance	<ul style="list-style-type: none"> RoHS Compliant
Processing Method	<ul style="list-style-type: none"> Profile Extrusion

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.21 to 1.25		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	2500	psi	ASTM D638
Tensile Elongation (Break)	460	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	287	lbf/in	ASTM D624
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	72		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-45.4	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength (158°F, 4 hr, in Oil)	-10	%	ASTM D471
Change in Ultimate Elongation (158°F, 4 hr, in Oil)	-11	%	ASTM D471
Additional Information	Nominal Value	Unit	Test Method
Aging ² (216°F)	Pass		Ford ESB-M4D103-A
Cold Properties ³ (-40°F)	Pass		Ford ESB-M4D103-A

Notes

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

² 70 hr

³ 72 hr

