

Manner Flexible PVC X3740 BLK580

Manner Polymers - Flexible Polyvinyl Chloride

General Information
Product Description

Recommended Applications: Non-Lead Stabilized 125°C Tubing Extrusion Compound. This compound is RoHS compliant.

General

Material Status	• Commercial: Active
Availability	• North America
Features	• Low (to None) Lead Content
Uses	• Tubing
Appearance	• Black
Processing Method	• Extrusion

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.25 to 1.29		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ²	2900	psi	ASTM D638
Tensile Elongation ² (Break)	400	%	ASTM D638
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	77 to 83		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-54.4	°F	ASTM D746
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air ³ (302°F, 240 hr)	2.0	%	UL 1581
Change in Ultimate Elongation in Air ³ (302°F, 240 hr)	-4.0	%	UL 1581

Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	338 to 356	°F
Cylinder Zone 3 Temp.	338 to 356	°F
Cylinder Zone 5 Temp.	338 to 356	°F

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

² Unaged Dumbbells: .03 inch

³ Air Retention: .03 inch
