

Manner Flexible PVC X3735 BLK580

Flexible Polyvinyl Chloride

Manner Plastics, L.P.

Message:

Recommended Applications: Non-Lead Heat Stabilized flame retardant 125°C Tubing Extrusion Compound. Applications; Designed to meet Ford Global Spec ES-2U5A-1A263-AA Type C. This compound is RoHS compliant.

General Information			
Additive	Flame Retardant		
	Heat Stabilizer		
Features	Flame Retardant		
	Heat Stabilized		
	Low (to None) Lead Content		
Uses	Automotive Applications		
	Tubing		
Appearance	Black		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25 to 1.29	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	78 to 84		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	20.7	MPa	ASTM D638
Tensile Elongation ² (Break)	400	%	ASTM D638
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air ³			UL 1581
140°C, 400 hr	7.0	%	
150°C, 240 hr	2.0	%	
Change in Ultimate Elongation in Air ⁴			UL 1581
140°C, 400 hr	-3.0	%	
150°C, 240 hr	-4.0	%	
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-48.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms · cm	ASTM D257
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	170 to 190	°C	

Cylinder Zone 3 Temp.	170 to 190	°C
Cylinder Zone 5 Temp.	170 to 190	°C
NOTE		
1.	Unaged Dumbbells: .03 inch	
2.	Unaged Dumbbells: .03 inch	
3.	Air Retention: .03 inch	
4.	Air Retention: .03 inch	

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