

Karina BLACK PVC COMPOUND

70900-48/1-F-AC

Polyvinyl Chloride

Karina Ind. e Com. de Plásticos Ltda

Message:

FLAME RETARDANT PVC COMPOUND CLASS 70C (PVC/A) RECOMMENDED FOR INSULATION OF ELECTRICAL WIRES AND CABLES (BWF).

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
Uses	Electronic Insulation		
	Wire & Cable Applications		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Density ¹	1.50 to 1.54	g/cm ³	IEC 60811-1-3
Color	0.00OK		ME 12
Color a	-0.700 to 0.900		ME 12
Color b	-0.880 to 0.720		ME 12
Color L	26.7 to 28.3		ME 12
Maximum Variation of Elongation	< 25	%	IEC 60811-1-2
Maximum Variation of Tensile Strength	< 25	%	IEC 60811-1-2
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	90 to 94		NBR 7456
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	> 12.6	MPa	IEC 60811-1-1
Tensile Strain (Yield)	> 150	%	IEC 60811-1-1
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength ²	> 12.6	MPa	IEC 60811-1-2
Tensile Elongation ³ (Break)	> 150	%	IEC 60811-1-2
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -5.40	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity ⁴	> 1.5E+14	ohms · cm	NBR 5403
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	> 30	%	NBR 6245
NOTE			
1.	24 hr		
2.	Aged in Air for 168 hr at 100°C		

3.	Aged in Air for 168 hr at 100°C
4.	24 hr

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