

Karina BLACK PVC COMPOUND

105900-48/1-B-AC

Polyvinyl Chloride

Karina Ind. e Com. de Plásticos Ltda

Message:

FLAME RETARDANT PVC COMPOUND CLASS 105C (PVC/EB) RECOMMENDED FOR INSULATION OF ELECTRICAL WIRES FOR ELECTRICAL EQUIPAMENTS.

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
Uses	Electronic Insulation		
	Wire & Cable Applications		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Density ¹	1.35 to 1.41	g/cm ³	IEC 60811-1-3
Color	OK		ME 12
Color a	-0.880 to 0.720		ME 12
Color b	-1.59 to 0.0100		ME 12
Color L	27.9 to 29.5		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)	88 to 92		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	< -17.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity ⁴	> 1.0E+14	ohms · cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	> 30	%	NBR 6245
NOTE			
1.	24 hr		
2.	Aged in Air for 168 hr at 136°C		

3.	Aged in Air for 168 hr at 136°C
4.	24 hr

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