

Karina WHITE PVC COMPOUND

807D10/121-D-AC-LF

Polyvinyl Chloride

Karina Ind. e Com. de Plásticos Ltda

Message:

LEAD FREE AND FLAME RETARDANT PVC COMPOUND CLASS 70C (ST1) RECOMMENDED FOR JACKETING OF ELECTRICAL FLEXIBLE CABLES AND COAXIAL CABLES. ALSO SUITABLE FOR PLUG INJECTION.

General Information			
Features	Low (to None) Lead Content		
Uses	Cable Jacketing		
	Plugs		
	Wire & Cable Applications		
Appearance	White		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density ¹	1.42 to 1.48	g/cm ³	IEC 60811-1-3
Cadmium Content	< 50	ppm	ASTM D1971
Chromium Content	< 100	ppm	ASTM D1971
Color	OK		ME 12
Color a	-2.26 to 0.740		ME 12
Color b	0.0900 to 3.09		ME 12
Color L	92.5 to 95.5		ME 12
Mercury Content	< 100	ppm	ASTM D1971
Bromine Content	< 100	ppm	IEC 62321
Lead Content	< 100	ppm	ASTM D1971
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)	78 to 82		NBR 7456
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	> 12.6	MPa	IEC 60811-1-1
Tensile Strain (Yield)	> 250	%	IEC 60811-1-1
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength ²	> 12.6	MPa	IEC 60811-1-2
Tensile Elongation ³ (Break)	> 200	%	IEC 60811-1-2
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -20.0	°C	ASTM D746

Electrical	Nominal Value	Unit	Test Method
Volume Resistivity ⁴	> 1.0E+13	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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