

Karina IVORY PVC COMPOUND 105905-35/ 1-BY-IS-LMP

Polyvinyl Chloride

Karina Ind. e Com. de Plásticos Ltda

Message:

ECONOMIC HEAVY METAL FREE PVC COMPOUND CLASS 105C (PVC/EB) RECOMMENDED FOR INSULATION OF ELECTRICAL WIRES FOR ELECTRICAL EQUIPAMENTS.

General Information			
Uses	Electronic Insulation		
	Wire & Cable Applications		
Appearance	Ivory		
Physical	Nominal Value	Unit	Test Method
Density ¹	1.31 to 1.37	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	-1.20 to 1.80		ME 12
Color b	7.82 to 10.8		ME 12
Color L	85.5 to 88.5		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)	86 to 90		NBR 7456
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	> 12.6	MPa	IEC 60811-1-1
Tensile Strain (Yield)	> 130	%	IEC 60811-1-1
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength ²	> 12.6	MPa	IEC 60811-1-2
Tensile Elongation ³ (Break)	> 130	%	IEC 60811-1-2
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity ⁴	> 1.0E+14	ohms · cm	NBR 5403
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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