

Karina NATURAL PVC COMPOUND 900-25/ 1-AYR-IS-LMP (*)

Polyvinyl Chloride

Karina Ind. e Com. de Plásticos Ltda

Message:

HEAVY METAL FREE PVC COMPOUND RECOMMENDED FOR INSULATION OF AUTOMOTIVE WIRES.

General Information			
Uses	Automotive Applications		
	Electronic Insulation		
	Wire & Cable Applications		
Appearance	Natural Color		
Physical	Nominal Value	Unit	Test Method
Specific Gravity ¹	1.27 to 1.33	g/cm ³	ASTM D792
Cadmium Content	< 50	ppm	IEC 62321
Chromium Content	< 100	ppm	IEC 62321
Color	OK		ME 12
Color a	-0.210 to 2.79		ME 12
Color b	11.4 to 14.4		ME 12
Color L	84.8 to 87.8		ME 12
Mercury Content	< 100	ppm	IEC 62321
Bromine Content	< 100	ppm	IEC 62321
Lead Content	< 100	ppm	IEC 62321
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	88 to 92		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	> 14.7	MPa	ASTM D638
Tensile Elongation (Yield)	> 250	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength ²	> 14.7	MPa	IEC 60811-1-2
Tensile Elongation ³ (Break)	> 250	%	IEC 60811-1-2
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -29.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity ⁴	> 1.0E+14	ohms · cm	ASTM D257
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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