

Karina IVORY PVC COMPOUND

70900-35/1-F-AC-LMP

Polyvinyl Chloride

Karina Ind. e Com. de Plásticos Ltda

Message:

HEAVY METAL FREE 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	Ivory		
Physical	Nominal Value	Unit	Test Method
Density ¹	1.49 to 1.55	g/cm ³	IEC 60811-1-3
Cadmium Content	< 50	ppm	IEC 62321
Chromium Content	< 100	ppm	IEC 62321
Mercury Content	< 100	ppm	IEC 62321
Bromine Content	< 100	ppm	IEC 62321
Delta E	< 1.50		ME 12
Lead Content	< 100	ppm	IEC 62321
Mass Loss ² (100°C)	< 10.0	g/m ²	IEC 60811-3-2
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 ³	> 12.6	MPa	IEC 60811-1-2
Tensile Elongation ⁴ (Break)	> 150	%	IEC 60811-1-2
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -5.00	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity ⁵	> 3.0E+14	ohms · cm	NBR 5403
Flammability	Nominal Value	Unit	Test Method

Flame Rating	V-0	UL 94
Oxygen Index	> 30	% NBR 6245
NOTE		
1.	24 hr	
2.	168 hr	
3.	Aged in Air for 168 hr at 100°C	
4.	Aged in Air for 168 hr at 100°C	
5.	24 hr	

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