

Karina BLACK PVC -E 810D48/1-C-AC-AS-LMP

(034128-00)

Polyvinyl Chloride

Karina Ind. e Com. de Plásticos Ltda

Message:

HEAVY METAL FREE, FLAME RETARDANT AND UV RESISTANT PVC COMPOUND RECOMMENDED FOR COAXIAL CABLE JACKETING.

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Good UV Resistance		
Uses	Cable Jacketing		
	Wire & Cable Applications		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Specific Gravity ¹	1.33 to 1.39	g/cm ³	ASTM D792
Cadmium Content	< 50	ppm	ASTM D1971
Chromium Content	< 100	ppm	ASTM D1971
Color	OK		ME 12
Color a	-0.780 to 0.820		ME 12
Color b	-1.13 to 0.470		ME 12
Color L	26.8 to 28.4		ME 12
Mercury Content	< 100	ppm	ASTM D1971
Bromine Content	< 100	ppm	IEC 62321
Lead Content	< 100	ppm	ASTM D1971
Maximum Variation of Elongation	< 30	%	UL 83
Maximum Variation of Tensile Strength	< 30	%	UL 83
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	80 to 84		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	> 13.7	MPa	ASTM D638
Tensile Elongation (Yield)	> 270	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength ²	> 13.7	MPa	UL 83
Tensile Elongation ³ (Break)	> 200	%	UL 83
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -40.0	°C	ASTM D746

Electrical	Nominal Value	Unit	Test Method
Volume Resistivity ⁴	> 1.0E+13	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	> 30	%	ASTM D2863
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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