

Karina BLACK PVC COMPOUND 807D48/ 1-C-IS-LMP

Polyvinyl Chloride

Karina Ind. e Com. de Plásticos Ltda

Message:

HEAVY METAL FREE PVC COMPOUND CLASS 70C (ST1) RECOMMENDED FOR ELECTRICAL FLEXIBLE CABLES JACKETING. ALSO SUITABLE FOR INJECTION OF PLUG.

General Information			
Uses	Cable Jacketing		
	Reflectors		
	Wire & Cable Applications		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density ¹	1.33 to 1.39	g/cm ³	IEC 60811-1-3
Cadmium Content	< 50	ppm	IEC 62321
Chromium Content	< 100	ppm	IEC 62321
Color	OK		ME 12
Color a	-0.870 to 0.730		ME 12
Color b	-1.32 to 0.280		ME 12
Color L	26.2 to 27.8		ME 12
Mercury Content	< 100	ppm	IEC 62321
Bromine Content	< 100	ppm	IEC 62321
Lead Content	< 100	ppm	IEC 62321
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)	> 150	%	IEC 60811-1-1
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength ²	> 12.6	MPa	IEC 60811-1-2
Tensile Elongation ³ (Break)	> 150	%	IEC 60811-1-2
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -26.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method

Volume Resistivity ⁴	> 1.0E+13	ohms·cm	NBR 5403
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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