

# Karina BLACK PVC COMPOUND

## 808D48/1-C-IS-LMP

Polyvinyl Chloride

Karina Ind. e Com. de Plásticos Ltda

Message:

HEAVY METAL FREE PVC COMPOUND CLASS 70C (PVC/F AND ST1) RECOMMENDED FOR INSULATION AND JACKETING OF ELECTRICAL FLEXIBLE WIRES AND CABLES.

| General Information                     |                           |                   |               |
|-----------------------------------------|---------------------------|-------------------|---------------|
| Uses                                    | Cable Jacketing           |                   |               |
|                                         | Electronic Insulation     |                   |               |
|                                         | Wire & Cable Applications |                   |               |
| Appearance                              | Black                     |                   |               |
| Physical                                | Nominal Value             | Unit              | Test Method   |
| Density <sup>1</sup>                    | 1.35 to 1.41              | g/cm <sup>3</sup> | IEC 60811-1-3 |
| Cadmium Content                         | < 50                      | ppm               | IEC 62321     |
| Chromium Content                        | < 100                     | ppm               | IEC 62321     |
| Color                                   | OK                        |                   | ME 12         |
| Color a                                 | -0.860 to 0.740           |                   | ME 12         |
| Color b                                 | -1.33 to 0.270            |                   | ME 12         |
| Color L                                 | 26.0 to 27.6              |                   | 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                  |                   | ASTM D2240    |
| 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 <sup>2</sup>           | > 12.6                    | MPa               | IEC 60811-1-2 |
| Tensile Elongation <sup>3</sup> (Break) | > 150                     | %                 | IEC 60811-1-2 |
| Electrical                              | Nominal Value             | Unit              | Test Method   |
| Volume Resistivity <sup>4</sup>         | > 1.0E+13                 | ohms · cm         | ASTM D257     |
| 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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