

# Karina BLACK PVC COMPOUND

## 105800-48/1-A-AC

Polyvinyl Chloride

Karina Ind. e Com. de Plásticos Ltda

Message:

FLAME RETARDANT PVC COMPOUND CLASS 105C (PVC/EB) RECOMMENDED FOR INSULATION OF ELECTRICAL WIRES FOR ELECTRICAL EQUIPAMENTS.

| General Information                     |                                 |                   |               |
|-----------------------------------------|---------------------------------|-------------------|---------------|
| Additive                                | Flame Retardant                 |                   |               |
| Features                                | Flame Retardant                 |                   |               |
| Uses                                    | Electronic Insulation           |                   |               |
|                                         | Wire & Cable Applications       |                   |               |
| Appearance                              | Black                           |                   |               |
| Physical                                | Nominal Value                   | Unit              | Test Method   |
| Density <sup>1</sup>                    | 1.29 to 1.35                    | g/cm <sup>3</sup> | IEC 60811-1-3 |
| Color                                   | OK                              |                   | ME 12         |
| Color a                                 | -0.950 to 0.650                 |                   | ME 12         |
| Color b                                 | -1.56 to 0.0400                 |                   | ME 12         |
| Color L                                 | 28.5 to 30.1                    |                   | ME 12         |
| 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+14                       | ohms · cm         | ASTM D257     |
| Flammability                            | Nominal Value                   | Unit              | Test Method   |
| Oxygen Index                            | > 30                            | %                 | NBR 6245      |
| 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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