

# Karina IVORY PVC COMPOUND

## 70921-35/1-E-AC

Polyvinyl Chloride

Karina Ind. e Com. de Plásticos Ltda

Message:

PVC COMPOUND WITH HIGH OXYGEN INDEX RECOMMENDED FOR CABLES TYPE CMX.

| General Information                     |                                 |         |               |
|-----------------------------------------|---------------------------------|---------|---------------|
| Uses                                    | Wire & Cable Applications       |         |               |
| Appearance                              | Ivory                           |         |               |
| Physical                                | Nominal Value                   | Unit    | Test Method   |
| Density <sup>1</sup>                    | 1.43 to 1.49                    | g/cm³   | IEC 60811-1-3 |
| Color                                   | OK                              |         | ME 12         |
| Color a                                 | -1.62 to 1.38                   |         | ME 12         |
| Color b                                 | 2.60 to 5.60                    |         | ME 12         |
| Color L                                 | 91.0 to 94.0                    |         | 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)    | 88 to 92                        |         | 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 <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 | NBR 5403      |
| Flammability                            | Nominal Value                   | Unit    | Test Method   |
| Oxygen Index                            | > 30                            | %       | NBR 6245      |
| 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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