

Karina IVORY PVC COMPOUND 105909-35/ 1-DY-ISE

Polyvinyl Chloride

Karina Ind. e Com. de Plásticos Ltda

Message:

ECONOMIC PVC COMPOUND CLASS 105C (PVC/EB) RECOMMENDED FOR INSULATION OF ELECTRICAL WIRES FOR INTERNAL USES OF ELECTRICAL APPLIANCES.

| General Information | | | |
|---|--|-------------------|---------------|
| Uses | Electronic Insulation Wire & Cable Applications | | |
| Appearance | Ivory | | |
| Physical | Nominal Value | Unit | Test Method |
| Specific Gravity ¹ | 1.42 to 1.48 | g/cm ³ | ASTM D792 |
| Color | OK | | ME 12 |
| Color a | -2.03 to 0.970 | | ME 12 |
| Color b | 4.11 to 7.11 | | ME 12 |
| Color L | 89.5 to 92.5 | | 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 | | 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 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 | < -22.4 | °C | ASTM D746 |
| Electrical | Nominal Value | Unit | Test Method |
| Volume Resistivity ⁴ | > 1.0E+14 | ohms · cm | ASTM D257 |
| 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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