

# EVICOM™ GD2/815

Flexible Polyvinyl Chloride

INEOS Compounds

Message:

EVICOM™ GD2/815 is a Flexible Polyvinyl Chloride material. It is available in Europe for extrusion.

Important attributes of EVICOM™ GD2/815 are:

RoHS Compliant

Good Flexibility

Typical application of EVICOM™ GD2/815: Wire & Cable

| General Information                             |                            |                    |                   |
|-------------------------------------------------|----------------------------|--------------------|-------------------|
| Features                                        | Good Flexibility           |                    |                   |
|                                                 | Low (to None) Lead Content |                    |                   |
| Uses                                            | Cable Jacketing            |                    |                   |
|                                                 | Flexible Cord Insulation   |                    |                   |
| Agency Ratings                                  | BS 7655 2                  |                    |                   |
| RoHS Compliance                                 | RoHS Compliant             |                    |                   |
| Appearance                                      | Opaque                     |                    |                   |
| Forms                                           | Pellets                    |                    |                   |
| Processing Method                               | Extrusion                  |                    |                   |
| Physical                                        | Nominal Value              | Unit               | Test Method       |
| Specific Gravity                                | 1.49                       | g/cm <sup>3</sup>  | BS 2782 620A      |
| Hardness                                        | Nominal Value              | Unit               | Test Method       |
| Durometer Hardness (Shore A, 15 sec)            | 88                         |                    | BS 2782 365B      |
| BS Softness                                     | 23                         |                    | BS 2782 365A      |
| Cold Bend                                       | -30                        | °C                 | BS 2782 151A      |
| Cold Flexibility                                | -5                         | °C                 | BS 2782 150B      |
| Heat Stability (200°C)                          | 50.0                       | min                | BS EN 60811-3-3.2 |
| Insulation Resistance Constant - K-value (23°C) | 550                        | Mohms · km         |                   |
| Loss of Mass - 7 days (100°C)                   | 1.10                       | mg/cm <sup>2</sup> | BS EN 60811-3-3.2 |
| Mechanical                                      | Nominal Value              | Unit               | Test Method       |
| Tensile Strength                                | 17.0                       | MPa                | BS EN 60811-1-1.1 |
| Tensile Elongation (Break)                      | 250                        | %                  | BS EN 60811-1-1.1 |
| Aging                                           | Nominal Value              | Unit               | Test Method       |
| Change in Tensile Strength (100°C, 168 hr)      | -4.0                       | %                  | BS EN 60811-1-1.2 |
| Change in Ultimate Elongation (100°C, 168 hr)   | -9.0                       | %                  | BS EN 60811-1-1.2 |
| Electrical                                      | Nominal Value              | Unit               | Test Method       |
| Volume Resistivity (23°C)                       | 1.5E+14                    | ohms · cm          | BS 2782 230A      |

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