

## Technical data sheet

### SMC LS 3800 R25 RF C NERO

**SMC LS 3800 R25 RF C NERO** is a sheet moulding compound based on an unsaturated polyester resin, fire retardant grade, reinforced with glass fibres. **SMC LS 3800 R25 RF C NERO** has been developed for application where is requested anti-static protection **SMC LS 3800 R25 RF C NERO** joint good mechanical properties mainly for impact resistance. **SMC LS 3800 R25 RF C NERO** is formulated according to RoHS, REAC regulation (SVHC) and WEEE European legislation.

Material code ISO 11469 >UP-(MD+GF)60FR(60)<

#### Typical material properties

| CHARACTERISTICS                 | METHOD        | UNIT              | VALUE            |
|---------------------------------|---------------|-------------------|------------------|
| Quantity of glass               | ISO 11667     | %                 | 25               |
| Linear shrinkage                | ISO 2577      | %                 | 0,05             |
| Density                         | ISO 1183      | g/cm <sup>3</sup> | 1,7              |
| Water absorption                | ISO 62 Met. 1 | %                 | ≤ 0,2            |
| Flexural strength               | ISO 14125A    | MPa               | 130              |
| Flexural modulus                | ISO 14125A    | MPa               | 8.500            |
| Impact strength (Charpy)        | ISO 179       | KJ/m <sup>2</sup> | 65               |
| Rockwell hardness ( M scale )   | ISO 2039-2    | HRm               | 80               |
| Heat distortion temperature HDT | ISO 75        | °C                | > 200            |
| Surface resistivity             | CEI EN 50014  | Ω                 | <10 <sup>9</sup> |
| Flammability                    | UL 94         | Class / mm        | V0 / 4           |
| Glow wire GWFI                  | IEC 60695-2-1 | °C                | 960              |

Properties were determined on compression-moulded specimens according UNIPLAST rules project 412 and 413

#### Storage and processing conditions

|                      |   |
|----------------------|---|
| Storage              | in a dry place at 15-25°C, out of direct sunlight |
| Moulding time        | 40 s/mm   |
| Moulding pressure    | 70 - 110 bar                                      |
| Moulding temperature | 140 - 160°C                                       |

Note: The information contained in this sheet is correct and accurate and it based on our technical and scientific knowledge and on literature at the date of going to press. Such information relates only to use of the products in the pure state and for the purposes stated herein. Nothing stated here may be taken or construed as implying of any existing patents. Nor is any warranty, whether explicit or implicit, given with regard to results to be obtained through the use of the aforesaid information.



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