



## PF2A2 9005 152

TYPE: STANDARD

**Description:**

Mineral and organic filled PMC

**Generic identification:**

PF (MD+WD)50 (according to ISO 1043-2:2011)

**Main filler:**

Mineral and Organic

**Application:**

Cookware, Switches

**Resin:**

Phenolic

**Color:**

Black

**Molding method:**

Injection (Medium fluidity)



### TECHNICAL DATA SHEET

|            | properties                 | units             | norms of the trials | results   |
|------------|----------------------------|-------------------|---------------------|-----------|
| physical   | Apparent Density           | g/cm <sup>3</sup> | NFT 51003           | 0.55-0.65 |
|            | Specific Gravity           | g/cm <sup>3</sup> | ISO 1183            | 1.43      |
|            | Shrinkage                  | %                 | ISO 2577            | 0.70-0.80 |
|            | Post shrinkage             | %                 | ISO 2577            | 0.35      |
|            | Water pick-up              | mg                | ISO 62              | 60        |
| thermal    | HDT (methode A)            | °C                | ISO 75              | 160       |
|            | HDT (methode C)            | °C                | ISO 75              | 115       |
|            | UL Class (3.2 mm)          |                   | UL 94               | BH1       |
|            | UL Class (1.6 mm)          |                   | UL 94               | V1        |
|            | Blistering Temperature     | °C                | In-house            | 220-230   |
| mechanical | Tensile Strength           | MPa               | ISO 527             | 45        |
|            | Compressive Strength       | MPa               | ISO 604             | 240       |
|            | Charpy (Unnotched)         | KJ/m <sup>2</sup> | ISO 179             | 6         |
| electrical | Dielectric Str. (oil 90°C) | MV/m              | NFC 26225           | 7         |
|            | Tracking Index             | V                 | IEC 60112           | 180       |