



## PF2A2 9005 158

### TYPE: STANDARD

#### Description:

Mineral and organic filled PMC High Gloss

#### Generic identification:

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

#### Main filler:

Mineral and Organic

#### Application:

Cookware, Switches, Automotive

#### Resin:

Phenolic

#### Color:

Black

#### Molding method:

Compression



|            |                            | properties | units             | norms of the trials | results   |
|------------|----------------------------|------------|-------------------|---------------------|-----------|
| physical   | Apparent Density           |            | g/cm <sup>3</sup> | NFT 51003           | 0.55-0.60 |
|            | Specific Gravity           |            | g/cm <sup>3</sup> | ISO 1183            | 1.40      |
|            | Shrinkage                  |            | %                 | ISO 2577            | 0.60-0.70 |
|            | Post shrinkage             |            | %                 | ISO 2577            | 0.30      |
|            | Water pick-up              |            | mg                | ISO 62              | 0.40      |
| thermal    | HDT (methode A)            |            | °C                | ISO 75              | 155       |
|            | HDT (methode C)            |            | °C                | ISO 75              | 125       |
|            | UL Class (3.2 mm)          |            |                   | UL 94               | VI        |
|            | UL Class (1.6 mm)          |            |                   | UL 94               | HB        |
|            | Blistering Temperature     |            | °C                | In-house            | 220       |
| mechanical | Tensile Strength           |            | MPa               | ISO 527             | 40        |
|            | Compressive Strength       |            | MPa               | ISO 604             | 220       |
|            | Charpy (Unnotched)         |            | KJ/m <sup>2</sup> | ISO 179             | 6-7       |
| electrical | Dielectric Str. (oil 90°C) |            | MV/m              | NFC 26225           | 4         |
|            | Tracking Index             |            | V                 | IEC 60112           | 180       |