

**Material Description**

Il SERIFILL 13K20TN808 is a talc filled Polypropylene Copolymer Compound, obtained from industrial scraps and prime materials. This product has a fluidity suitable for injection molding, colour black 808 (FIAT norm) and good thermo-mechanical properties . It is currently used in items where toughness, flexibility and good dimensional firmness is required. It is specially used for automotive applications, where high processability and a good appearance are expected.

**Material Properties and Test Requirements**

TYPICAL PHYSICAL VALUES

| Proprietà fisiche                            | U. M.             | Valore    | Metodo     |
|--|-------------------|-----------|------------|
| Melt Flow Index (230°C - 2,16 kg)            | g/10'             | 12÷18 *   | ISO 1133   |
| Density (23°C)                               | g/cm <sup>3</sup> | 0.97÷1.05 | ISO 1183   |
| Ash content (525°C-45')                      | %                 | 14÷20     | ISO 3451   |
| Moisture (loss in weight)                    | %                 | 0.05      | ASTM D6980 |
| * se non diversamente concordato col cliente |                   |           |            |
| Proprietà meccaniche                         |                   |           |            |
| Flexural Modulus (2mm/min)                   | MPa               | ≥1650     | ISO 178    |
| Izod notched impact strenght (23°C)          | Kj/m <sup>2</sup> | ≥18       | ISO 180    |
| Proprietà termiche                           |                   |           |            |
| Vicat 50N                                    | °C                | ≥53       | ISO 306    |

**Working condition**

Melting Temperature: 190 - 220 °C  
 Mould Temperature: 40 - 50 °C  
 Injection speed: medium-high  
 Minimum time of Drying : about 3 hours at 100 °C

**Packaging and storage**

Granules are packaged in big bags of 1200 kg or can be shipped in bulk.  
 Material must be stored in dry rooms, at ambient temperature and protected from the direct sunlight.

The dates referred above are indicatives and have not to be considered as product specifications. Because the condition in which our information and our product will be used are not predictable, our society do not guarantee the applicability and fitness of product for the use that will be done; so we decline for any responsibility for damage at the client or third parties.

| Revision  | Date     | Written by     | QA Approval       |
|---|----------|----------------|-------------------|
| A   | 03/10/14 | Serena D'Addio | Giuseppe Magliulo |
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| This document has been electronically written and printed. Due to this reason signatures aren't included. |          |                |                   |



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