



|  |                                    |   |   |  |          |                                       |                                      |  |          |  |          |                            |          |
|--|------------------------------------|---|---|--|----------|---------------------------------------|--------------------------------------|--|----------|--|----------|----------------------------|----------|
| <b>Polimero Base</b><br>Basic Polymer  | <b>VMQ</b>                         | <b>Codifica</b><br><b>Tecnogomma</b><br>Internal Coding | <b>TEC S27 R. / 60 rosso</b>            |  |          |                                       | <b>Codice</b><br><b>ASTM</b><br>Code | <b>D2000-M5 GE 606 B37 EO16 EO36</b>       |          |  |          |                            |          |
| <b>Classe di durezza</b> Class of hardness :   |                                    | 60 Shore A  |   |  |          |                                       |                                      |  |          |  |          |                            |          |
| <b>VULCANIZZAZIONE DEI PROVINI</b> CURING CONDITIONS   |                                    |   |   |  |          | <b>RICOTTURA</b> POST CURING          |                                      |  |          |  |          |                            |          |
| Placche spessore / Slabs thickness   | mm 2                               | min.  | 10                                      | a at                                       | 170      | °C                                    | 4                                    | h  | a/at     | 200                                      | °C       |                            |          |
| Placche spessore / Slabs thickness   | mm 6                               | min.  |   | a at                                       |          | °C                                    |                                      | h  | a/at     |  | °C       |                            |          |
| Tomboli spessore / Buttons thickness.  | mm 12,5 (N°1)                      | min.  | 20                                      | a at                                       | 170      | °C                                    | 4                                    | h  | a/at     | 200                                      | °C       |                            |          |
| Tomboli spessore / Buttons thickness   | mm 6 (N°2)                         | min.  |   | a at                                       |          | °C                                    |                                      | h  | a/at     |  | °C       |                            |          |
| <b>Parametri originali</b><br>Original properties  |                                    | <b>Metodo di prova</b><br>Test method                   |   | <b>Unità di misura</b><br>Unit of measure  |          | <b>Valori medi</b><br>Tested values   |                                      | <b>Valori richiesti</b><br>Required values |          |  |          |                            |          |
| <b>Peso specifico</b> Specific gravity   |                                    | DIN 53479   |   | g/cm <sup>3</sup>                          |          | 1,28                                  |                                      |  |          |  |          |                            |          |
| <b>Carico rottura</b> Tensile strength   |                                    | DIN 53504 S2  |   | N/mm <sup>2</sup>                          |          | 7,6                                   |                                      |  |          |  |          |                            |          |
| <b>Allungamento</b> Elongation   |                                    | DIN 53504 S2  |   | %  |          | 300                                   |                                      |  |          |  |          |                            |          |
| <b>Lacerazione</b> Tear resistance   |                                    | ASTM D 624 B  |   | N/mm                                       |          | 18                                    |                                      |  |          |  |          |                            |          |
| <b>Prove a freddo</b><br>Low temp. tests   |                                    | TR Test-TR 10<br>Brittleness                            |   | ASTM D 1329<br>ASTM D 2137 A               |          | °C<br>°C                              |                                      |  |          |  |          |                            |          |
| <b>Compression-Set</b>   |                                    |   |   |  |          |                                       |                                      |  |          |  |          |                            |          |
| <b>dopo</b> after  |                                    | 22 h a at   |   | 175 °C                                     |          | DIN 53517 B                           |                                      | 18 %                                       |          |  |          |                            |          |
| <b>dopo</b> after  |                                    | 22 h a at   |   | 175 °C                                     |          | DIN 53517 B                           |                                      | 18 %                                       |          | <i>C-SET after ageing<br/>168h-175°C</i> |          |                            |          |
| <b>Prova ozono</b><br>Ozone test   |                                    | <b>metodo di prova</b> test method: ISO 1431-1          |   |  |          | <b>risultato</b> results :            |                                      |  |          |  |          |                            |          |
|  |                                    | <b>tempo</b> time:                                      |   | h ;  |          | <b>concentrazione</b> concentration : |                                      |  |          | <b>Pphm</b>                              |          |                            |          |
|  |                                    | <b>temperatura</b> temperature:                         |   | °C ;                                       |          | <b>allungamento</b> elongation :      |                                      |  |          | %  |          |                            |          |
| <b>VARIAZIONI DELLE CARATTERISTICHE DOPO INVECCHIAMENTO</b> CHARACTERISTICS CHANGES AFTER AGEING |                                    |   |   |  |          |                                       |                                      |  |          |  |          |                            |          |
| <b>Ambiente</b><br>Heat/fluid  | <b>Metodo prova</b><br>Test method | <b>Tempo</b><br>Time<br>h                               | <b>Temperatura</b><br>Temperature<br>°C | <b>Durezza</b><br>Hardness<br>punti points |          | <b>Carico rottura</b><br>Tensile<br>% |                                      | <b>Allungamento</b><br>Elongation<br>%     |          | <b>Volume</b><br>Volume<br>%             |          | <b>Peso</b><br>Weight<br>% |          |
|  |                                    |   |   | tested                                     | required | tested                                | required                             | tested                                     | required | tested                                   | required | tested                     | required |
| Aria Air   | DIN 53508                          | 72  | 200                                     | +3   |          | -20                                   |                                      | -25  |          |  |          |                            |          |
| Aria Air   | DIN 53508                          | 168   | 175                                     | +4   |          |                                       |                                      |  |          |  |          |                            |          |

**Note** Remarks:

**Omologazioni**  
Homologations:

**WRAS** (BS 6920) for drinking water, cold and warm up to 85°C; it will expire on: February 2024

**UBA** for drinking water, cold and warm up to 85°C; it will expire on 13/08/2024

**DVGW-W270** (11/2007) for drinking water; It will expire on 15/08/2024

**NSF** (Standard 61) for drinking water, cold and warm up to 82°C

**CLP** (DGS/VS4 n° 99/217 dated 12/04/1999 and DGS/VS4 n° 2000/232 dated 27/04/2000) for drinking water; it will expire on 23/12/2023

In compliance with **FDA** (177.2600-21) requisites for food. RP N° 153/09 of CSI lab

**DVGW** DIN EN 549 E2 (-20/+150°C) H2 N° NG-5112BT0536. It will expire on 25/11/2028

**DVGW** CERT ZP 5101. Permeability with Idrogen.

I dati presentati sono ottenuti con prove da noi ritenute attendibili presso i laboratori del produttore della mescola, certificato ISO 9001

The above-mentioned data are obtained through tests which we consider as reliable at the laboratories of compound supplier, certified according to the ISO 9001

**Tecnogomma International S.p.A.**

Via Castello, 46 - 24060 - Adrara San Martino (BG) - Italy  
Tel. +39 035933811 Fax +39 035933455

**Direttore Fabbrica** Technical Manager:

*Piero Basso*