



# Parnian Compounder Men Technical Datasheet

Rev.:2024/09/26

|                                 |                                    |                                |   |
|---------------------------------|------------------------------------|--------------------------------|---|
| <b>Technical Code</b><br>PR 012 | <b>Polymer Base</b><br>SMR+SBR+PBR | <b>Hardness Class</b><br>60± 3 | <b>Color</b><br>Black                             |
| <b>Date</b><br>2026.05.06       | <b>Customer</b><br>-               | <b>Reference</b><br>-          | <b>Application</b><br>کمک فنر بادی خودروهای سنگین |

| Curing Conditions        |                  | Post Curing |
|--------------------------|------------------|-------------|
| Test sheet thickness 2mm | 10 min. at 175°C | Not         |
| Test sheet thickness 6mm | 10 min. at 175°C | Not         |
| Test part 29*12.5 mm     | 10 min. at 175°C | Not         |

| Property                               | Unit                | Test Method | Value | Requirement |
|--|---------------------|-------------|-------|-------------|
| Hardness                               | Shore A             | ASTM D2240  | 60    |             |
| Density                                | gr/cc               | ASTM D297   | 1.186 |             |
| Tensile Strength                       | MPa                 | ASTM D412   | 13    |             |
| Elongation at Break                    | %                   | ASTM D412   | 450   |             |
| Tear Resistance                        | K N/m               | ASTM D624   | 35    |             |
| Rebound Resilience                     | %                   | ASTM D7121  | 43    |             |
| Abrasion Resistance, ARI               | 1/cm <sup>3</sup> % | ASTM D5963  | 423   |             |
| Compression Set 24 hr. / 70°C          | %                   | ASTM D395   | -     |             |
| 100% Modulus                           | MPa                 | ASTM D412   | 2     |             |
| 200% Modulus                           | MPa                 | ASTM D412   | 4     |             |
| 300% Modulus                           | MPa                 | ASTM D412   | 7     |             |
| Heat Aging 7 d / 70°C                  |                     |             |       |             |
| △ Hardness                             | Shore A             | ASTM D573   |       |             |
| △ Tensile Strength                     | %                   | ASTM D573   |       |             |
| △ Elongation at Break                  | %                   | ASTM D573   |       |             |
| △ Mass                                 | %                   | -           |       |             |
| △ Volume                               | %                   | -           |       |             |
| Chemical Resistance 7 d / 23°C in .... |                     |             |       |             |
| △ Hardness                             | Shore A             | ASTM D471   |       |             |
| △ Tensile Strength                     | %                   | ASTM D471   |       |             |
| △ Elongation at Break                  | %                   | ASTM D471   |       |             |
| △ Mass                                 | %                   | ASTM D471   |       |             |
| △ Volume                               | %                   | ASTM D471   |       |             |
| △ Thickness                            | %                   | ASTM D471   |       |             |
| △ Dimension                            | %                   | ASTM D471   |       |             |
| Our Sourced Test                       |                     |             |       |             |
| Ozone Resistance                       | -                   |             |       |             |
| Cold test                              | -                   |             |       |             |
|  |                     |             |       |             |
|  |                     |             |       |             |

Tester:

Approve: