



## ACTIVE FILLERS ROSIL-175

CAS №7631-86-9  
STO 00203312-032-2015  
revision 1



### Technical properties:

| Indicator description  | Standarts for brands           |           |                            |           |
|--|--------------------------------|-----------|----------------------------|-----------|
|  | Brand A                        | Brand B   |                            | Brand M   |
|  |                                | For tires | For rubber technical goods |           |
| Appearance   | Powder and fragile white lumps |           |                            |           |
| Mass fraction of silicon dioxide, %, min   | 89                             | 89        | 89                         | 89        |
| Mass fraction of moisture, %, max  | 6,5                            | 6,5       | 5,5                        | 6,5       |
| Weight loss on ignition, %, max  | 7,0                            |           |                            |           |
| Mass fraction of water soluble substances obtained by cold-extraction method, %, max | 2,0                            |           |                            |           |
| Mass fraction of chlorides (Cl-), %, max   | -                              | -         | -                          | 1,0       |
| Mass fraction of iron calculated as iron oxide, %, max                               | 0,05                           | 0,10      |                            |           |
| Mass fraction of alkalinity calculated as sodium oxide, %, max                       | 0,06                           | 0,10      |                            |           |
| pH of water suspension   | 5,5 - 7,5                      |           |                            |           |
| Bulk density, g/dm <sup>3</sup> , min  | 220                            | 180       | 160                        | 140       |
| Adsorption by dibutylphthalate (ДБФ), cm <sup>3</sup> /100g                          | -                              | -         | -                          | 300 - 350 |
| Specific surface area, m <sup>2</sup> /g   |                                |           |                            |           |
| by adsorption of phenol  | 140 - 170                      | 140 - 170 | 140 - 190                  | 140 - 190 |
| by adsorption of nitrogen  | 161 - 190                      | 161 - 190 | 161 - 210                  | 161 - 270 |
| Mass fraction of residue on mesh sieve 014K according to GOST 6613, %, max           | 0,02                           |           |                            |           |

**DESCRIPTION.** Silica filler Rosil 175 is a fine precipitated silicon dioxide.

**APPLICATION.** Silica filler Rosil 175 is used as a reinforcing filler material for synthetic and polymer materials, in tire, industrial rubber, light industries, in the production of catalysts, in powder fire extinguishers and for other technical purposes.

**CERTIFICATION.** Product Safety is confirmed by passport Material Safety Data Sheet. The product is not subject to mandatory confirmation of conformity by certification or declaration.

**PACKING.** Product is packed in four-layer laminated bags. One layer is made of paper laminated with polyethylene or in four-layer bags brand BMP according to GOST 2226; or in plastic bags according to GOST 17811 and polyethylene bags in accordance with the current normative documentation; or in plastic bags according to GOST 17811 inserted into polyethylene bags in accordance with the current normative documentation; or in soft disposable specialized containers in accordance with the current normative documentation.

**GUARANTEED SHELF LIFE.** Guaranteed shelf life of Rosil 175 is 6 months from the date of manufacture. Rosil 175 is covered in closed storehouses excluding ingress of moisture. Storage is not allowed on the dirt floor storehouses or on the open area.

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