

## Forum Chemical Technical Specification Sheet

### DST R 30-00

#### Styrene-butadiene-styrene block copolymer

Radial styrene-butadiene thermoplastic elastomer DST R 30-00 is essentially a product of styrene and butadiene block polymerization in hydrocarbon solution in the presence of alkyl lithium catalyst. DST R 30-00 is dusted with calcium stearate or amorphous silica. It is containing a no staining stabilizer.

| Parameter                                              | DST R 30-00    | Test Method        |
|--------------------------------------------------------|----------------|--------------------|
| Toluene solution viscosity 5,23% / 25 °C , cSt         | 25±10          | ASTM D 445         |
| Volatile matter content, wt %                          | ≤ 0.8          | ASTM D 5668        |
| Ash content, wt %:<br>a) calcium stearate<br>b) silica | ≤ 0.3<br>≤ 1.0 | ASTM D 5667        |
| Content of bound styrene, wt %                         | 30 ± 1.5       | method of supplier |
| Melt flow index, 190°C/ 5 kg, g/10 min                 | < 1            | method of supplier |
| Tensile strength, MPa                                  | ≥ 8.0          | ASTM D 3182        |
| Tensile stress at 300 % elongation, MPa                | ≥ 2.0          | ASTM D 412         |
| Ultimate elongation, %                                 | ≥ 550          | ASTM D 412         |
| Hardness, Shore A / 1 sek                              | 75 ± 5         | ASTM D 2240        |

Product characteristics: appearance – crumbs or powder white to light-beige color; weight – 12 kg or 800-1000 kg

Shelf life is 1 year since the date of manufacture. Storage conditions: at the temperature not higher than 40 °C, in place protected from direct sunlight and atmospheric precipitation.

Package: cardboard or soft bag-container (big bag).