

- ▶ NBR 1855 is essentially an acrylonitrile (17-20%) and 1,3-butadiene copolymer obtained by emulsion polymerization method with the use of fatty acid soaps as emulsifier in accordance with the ecologically clean technology. Low content of acrylonitrile, good frost-resistance, satisfactory oil resistance.
- ▶ Product characteristics: appearance – bales from light-yellow to pink color; weight of a bale $30 \pm 0,5$ kg;
- ▶ Shelf life is 1 year since the date of manufacture. Storage conditions: at the temperature not higher than $30\text{ }^{\circ}\text{C}$, in place protected from direct sunlight and atmospheric precipitation.
- ▶ Package: plywood 1,26 mt or plastic container 0,54 mt.

| <i>Parameter</i> | <i>NBR 1855</i> | <i>Test method</i> |
|--|-----------------|--------------------|
| Mooney viscosity MML 1+4 (100 °C) | 52-58 | ASTM D 1646 |
| Volatile matter content, wt % | $\leq 0,8$ | ASTM D 5668 |
| Ash content, wt % | $\leq 0,5$ | ASTM D 5667 |
| Acrylonitrile content, wt % | 17-20 | method of supplier |
| <i>ASTM D 3187 (method A), 145 °C × 50 min</i> | | |
| Tensile stress at 300 % elongation, MPa | $\geq 6,9$ | ASTM D412 |
| Tensile strength, MPa | $\geq 17,6$ | ASTM D412 |
| Ultimate elongation, % | ≥ 400 | ASTM D412 |
| <i>Curing characteristics of rubber compound</i> <i>Rheometer MDR 2000, measurement conditions: 160 °C, deformation of 0.5°, MH at 30 min</i> | | |
| Minimum torque (ML), dNm | 1,1-2,7 | ASTM D 5289 |
| Maximum torque (MH), dNm | 10,1-13,7 | ASTM D 5289 |
| Scorching time (ts1), min | 2,2-5,0 | ASTM D 5289 |
| Time to 50% of full cure (t 50), min | 3,3-6,1 | ASTM D 5289 |
| Time to 90% of full cure (t 90), min | 6,7-10,1 | ASTM D 5289 |

These figures are only intended as a guide and should not be used in preparing specifications.