

Russia

GOST 9045

Chemical Composition:

| Grade | C        | Mn       | S         | P         | Al        | Si       | Cr       | Ni       | Cu       |
|-------|----------|----------|-----------|-----------|-----------|----------|----------|----------|----------|
| 08YU  | 0.07 max | 0.35 max | 0.025 max | 0.020 max | 0.02-0.07 | 0.03 max | 0.03 max | 0.06 max | 0.06 max |

Mechanical Properties:

| Drawing<br>Type | Steel grade | Yield point<br>Mpa (kgf/mm2) | Tensile strength<br>Mpa (kgf/mm2) | Specific elongation in %, sheet gauge<br>being (mm) |        |        |        | Rockwell harness HRB<br>max |        |        |
|-----------------|-------------|------------------------------|-----------------------------------|---|--------|--------|--------|-----------------------------|--------|--------|
|                 |             |                              |                                   | > 0.7   | > 0.7  | > 1.5  | > 2.0  | > 0.5                       | > 0.8  | > 1.7  |
|                 |             |                              |                                   |   | <= 1.5 | <= 2.0 | <= 3.9 | <= 0.8                      | <= 1.7 | <= 2.0 |
| OSV (OCB)       | 08YU        | 195 (20)                     | 250-350 (26-36)                   | 34  | 36     | 40     | 42     | 76                          | 51     | 46     |