



1. Guideboard of other standards

| DIN | EN 10027-1 | EN 10027-2 | EN 10025:90 | GOST |
|------|------------|------------|-------------|------|
| St12 | DC01 | 1.0330 | FeP01 | 08kp |

2. Chemical composition (heat analysis) in %

| C | Mn | Si | P | S | N | Al |
|------------|----|----|------------|------------|---|----|
| max. 0,110 | | | max. 0,045 | max. 0,045 | | |

3. Mechanical properties

| Mechanical properties | Execution | |
|------------------------------|----------------|------------|
| | heat untreated | normalized |
| Tensile strength R_m [MPa] | min. 300 | min. 280 |
| Yield point R_e [MPa] | min. 200 | min. 180 |
| Ductility A_{10} [%] | min. 10 | min. 22 |

4. Steel characterization and examples of usage

Welding carbon steel, well hot and cold workable, suitable for deep drawing. Surface treatment such as metal coating or enamelling is possible.