

| TYPE | STANDARD | GRADE | thickness : t mm. | CHEMICAL COMPOSITION (max) | | | | | | Tension Test | | | | | | Bend Test | | Impact Test | | | | | |
|--|--|-------|----------------------|------------------------------|--|------------------|--|------------------|----------------|-----------------|------------|------------------|-----|-----------------------|---------------------------------|--------------------------------|---------------|----------------|------------------------------------|---|---|-----|-------|
| | | | | | | | | | | Yield Point min | | Tensile Strength | | Elongation min | | Angle of bending (Degree) | Inside radius | Temp (°C) | Absorbtion energy min (Joule) | | | | |
| | | | | thick : t mm. | Kgf / mm ² [MPa, N / mm ²] | thick : t mm. | Kgf / mm ² [MPa, N / mm ²] | thick : t mm. | Transverse | | | | | | | | | | | | | | |
| | | | | | | | | | OTHER ELEMENTS | | Test piece | % | | | | | | | | | | | |
| Hot-rolled mild steel plates, sheets and strip | TIS 528 (2548) & JIS G 3131 (1996) | HR1 | All | 0.15 | - | 0.60 | 0.050 | | - | - | - | - | All | - | - | - | - | 180 | 0.5 t | - | - | | |
| | | HR2 | | 0.12 | | 0.50 | 0.040 | | | | | | | 28-44 [270-430] | t=6 ⁴⁾ (gl=50mm.) | - | 29 | - | - | | | | |
| | | HR3 | | 0.10 | | 0.45 | 0.030 | | | | | | | 28-38 [270-370] | | - | 33 | | | | | | |
| | | HR4 | | 0.08 | | | | | | | | | | 28-40 [270-390] | | - | 33 | | | | | | |
| | | SPHC | 1.2 < t ≤ 14 | 0.15 | | 0.60 | 0.050 | | | | | | | 28 [270] (min) | t ≥ 4 | - | 31 | | | | | 180 | 0.5 t |
| | | SPHD | 1.2 < t ≤ 6 | 0.10 | | 0.50 | 0.040 | | | | | | | | | - | 39 | | | | | - | - |
| | | SPHE | | | | | | | | | | | | | | 0.030 | 0.035 | | | | | | |