

6C16-IB

KOBELCO

6C16-IB is a heat treatable alloy with good bake hard response and formability.

This grade is suitable for inner body panel applications, such as hood inner, door inner, reinforcement parts, etc.

| Temper | TS MPa | YS MPa | EL % |
|-------------------------------------|--------|---------|------|
| T4: As-delivered | ≥200 | 100-150 | ≥24 |
| 2% pre-strain and 20min at 185°C | ≥275 | ≥200 | - |

| Chemical Composition | Wt. % |
|----------------------|-----------|
| Si | 0.8-1.5 |
| Fe | ≤0.50 |
| Cu | ≤0.25 |
| Mn | ≤0.20 |
| Mg | 0.20-0.60 |
| Cr | ≤0.10 |
| Zn | ≤0.20 |
| Ti | ≤0.15 |
| Others, each | ≤0.05 |
| Others, total | ≤0.15 |

Available Lubricants: N6130,E1,AL200,PL39SX,R303P,Nox-Rust550KH

Available surface treatments: Mill finish or EDT. Acid Etch or TiZr

Available gauge: 0.8-2.5 mm

Available width: 200-2020 mm

Available finishing processes: Trimming and Slitting.

Cut to length with Rectangle, Trapezoid, and Arc shape
(R1200,R1480,R1600,R2000,R2500,R3000,R4000)