



RAUNAQ
— TRUSTED STEEL —

ISC980YL – IS 513 Part 2 (2016) – Dual-Phase YL- Technical Datasheet

1. Chemical & Mechanical Properties

Property	Value
C (%)	≤0.10
Mn (%)	≤2.00
Si (%)	≤0.50
P (%)	≤0.020
S (%)	≤0.020
Al (%)	0.02–0.06
Ti (%)	≤0.15
Nb (%)	≤0.09
Yield Strength YS (MPa min)	980
Tensile Strength UTS (MPa min)	1040
Elongation A80 (%) min	15

2. Equivalent / Alternative Grades

Grade	Standard	C%	Mn %	Si%	P%	S%	Al%	Ti%	Nb %	YS (MPa)	UTS (MPa)
ASTM Gr 980	ASTM A1008	≤0.10	≤2.00	≤0.50	≤0.020	≤0.020	0.02 – 0.06	≤0.15	≤0.09	980	1040
EN Gr 980	EN 10338	≤0.10	≤2.00	≤0.50	≤0.020	≤0.020	0.02 – 0.06	≤0.15	≤0.09	980	1060
JFS Gr 980	JFS A2001	≤0.10	≤2.00	≤0.50	≤0.020	≤0.020	0.02 – 0.06	≤0.15	≤0.09	980	1070

3. Common Applications

- Automotive safety members
- Energy absorbing components
- Crash structures

4. Standard Conformance

Cold-reduced sheet/strip conforming to IS 513 Part 2 (2016).

5. Disclaimer

All chemical compositions, mechanical properties, dimensions and other technical data presented on this page are provided by Raunaq Steels Trading Pvt. Ltd. for general reference only. While we endeavour to ensure that the information is as accurate and up-to-date as possible, no warranty, express or implied, is given as to its completeness, correctness or fitness for any particular purpose. Raunaq Steels Trading Pvt. Ltd. accepts no liability for any loss or damage arising directly or indirectly from the use of, or reliance upon, the information contained herein. For authoritative and legally binding specifications, users must refer to the official publications of the relevant standards—such as the BIS, ASTM, EN or JIS standards—available through their respective websites or published documents