



Chandraprabhu Enterprise Private Limited

LOW ALLOY WELDING WIRES

Name: CEPL-305 AWS A 5.29 E70 T5-A1

Weld metal chemistry (with CO2 shield)	C = 0.10% Max, Mo = 0.45–0.55%, Mn = 0.80 to 1.10%, P = 0.03% Max, Si = 0.60% Max, S = 0.03% Max		
Typical all weld mechanical properties (with CO2 shield)	UTS = 510 N/mm² Min; YS = 410 N/mm²; Elongation(%) = 22 Typical charpy Vnotch Impact value at – 30°C = 40 Joules.		
Welding parameter guidelines (with CO2 shield)	Size	Range	Recommended
	1.20mm	90–300A, 18–28V	180–300A, 22–26V
	1.60mm	125–400A, 18–30V	220–350A, 25–30V

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