



HOT - DIP ALUMINUM COATED ELECTRIC RESISTANT WELDED STEEL TUBE
For Automobile Exhaust Application Purpose JIS G- 3445 STKM 11A

Outside Diameter		Thickness (MM)				
Inch	MM	1.0	1.2	1.6	2.0	2.3
1/2	12.7	▪	▪	▪		
5/8	15.9	▪	▪	▪		
3/4	19.1	▪	▪	▪	▪	▪
7/8	22.2	▪	▪	▪	▪	▪
1	25.428.6	▪	▪	▪	▪	▪
1 1/8	31.8	▪	▪	▪	▪	▪
1 1/4	35.0		▪	▪	▪	▪
1 3/8	38.1		▪	▪	▪	▪
1 1/2	41.3		▪	▪	▪	▪
1 5/8	42.7		▪	▪	▪	▪
	44.5		▪	▪	▪	▪
1 3/4	45.0		▪	▪	▪	▪
	47.6		▪	▪	▪	▪
1 7/8	48.6		▪	▪	▪	▪
	50.8		▪	▪	▪	▪
2	54.0		▪	▪	▪	▪
2 1/8	57.0		▪	▪	▪	▪
2 1/4	60.2		▪	▪	▪	▪
2 3/8	63.5		▪	▪	▪	▪
2 1/2	76.2		▪	▪	▪	▪
3	85.0		▪	▪	▪	▪
3 3/8			▪	▪	▪	▪

PTP'S aluminized pipes are produced from cold rolled steel sheet with a hot-dip aluminum silicon alloy of selected thickness coating.

This material is much superior in quality for exhaust applications and its life expectancy is much longer compared to normal cold rolled steel pipes.

The special features of aluminized pipes for exhaust applications are as follows:-

Heat Resistance

Due to its coating, aluminized material has excellent heat resistance. No alteration in the coating is observed up to 450 C. At higher temperature, the formation of an iron/aluminum alloys gives the coating a grayish appearance and can be used up to 600C. Since this alloy layer has a high fusing point it will not melt even if exposed to a temperature above the fusing point of aluminum.

Mechanical Strength

The tensile strength is 30kgf/mm and elongation 34%, which is best, suited for bending, bulging, swaging and lock forming.

Reflectivity

Aluminized material reflects the incident radiant heat. The property allows its use as an efficient thermal barrier or heat reflector in many high temperature applications.

Corrosion Resistance

Providing good corrosion resistance in auto exhaust system and industrial acid chemicals but less resistance to industrial alkaline chemicals.

PTP products a range of aluminized pipes ranging from outside diameter 12.7mm up to 85.0mm with thickness varying from 1.0mm to 2.4mm. A special technique is applied to control the inner bead height which is made possible by sophisticated techniques, which is very convenient for bending, Swaging, Bulging lock Forming allocations with less wear and tear on tooling used.