

Introduction

AlMnMg5 is a general-purpose type aluminum thermal spray wire that contains 5% magnesium additives. It has high intensity, favorable corrosion resistance and excellent color compatibility after anodizing.

Chemical & Physical Properties

Al	Mg	Mn
Bal.	5	0.4

Applications

- Welding structural steels
- General fabrication, automobile, pressure Vessels, LPG Cylinders
- Automotive industry, construction machinery production, shipbuilding
- Metallurgical equipment production, bridges, civil works, petrochemical industry, production of pressure vessels of boilers, locomotive vehicles

Deposit Characteristics

Tensile Strength	≥500
Yield Strength Mpa	≥420
Elongation%	≥22
Temperature	-29°C
Tensile Num KA	≥27

Standard Dimensions

Wire	Diameter (mm)	Tolerance (mm)
	1.6, 2.0, 3.17	+ 0 / - 0.05

Other sizes (diameter and wire weight) can be manufactured accordingly to the requirements of customers.

Packaging

Spool	15kgs / spool (D300 spool)
Coil	20 - 400kgs / coil