





Automotive

Stainless Steel Core for Automobile Fuel Pumps



Location	São Paulo, Brazil
Environment	Outdoor
Fabrication process	Drawing
Grade/surface	DIN 1.4512 - UNS S40920/2D
Main thickness or diameter	0.50 mm
Manufacturer	Bosch
Material supplier	Aperam South America
Source of information	Aperam South America

Ferritic grade 1.4512 (equivalent to 409) stainless steel is now being used to manufacture the core of fuel pumps which have historically been made from tin plated steel. The advantage of using stainless steel is that the fuel pump cores no longer need the extra surface treatment that was necessary when using tin plated steel, resulting in a saving of time, logistics and cost. Being a ferritic stainless steel, the cost structure is relatively stable.