





## Electrical Machinery and Equipment

# Stainless Steel Heat Exchanger Fin Tubes for Chillers



Location	Republic of Korea
Environment	Indoor
Fabrication process	welding
Grade/surface	430J1L /BA
Main thickness or diameter	0.5 mm
Manufacturer	LG Electronics
Material supplier	POSCO
Source of information	POSCO

POSCO has developed a ferritic grade 430J1L for the manufacture of heat exchanger fin tubes for industrial absorption chillers. The liquids used in the fin tubes may cause pitting corrosion and stress corrosion cracking, but this material has been found to be particularly well suited to resisting these forms of corrosion. Welding and annealing conditions have been optimized to make it easier to form the fins on the surface of the tubes. Being a ferritic grade, the material has a relatively stable price structure.