





Electrical Machinery and Equipment

Stainless Steel Washing Machine Drum



Location	Republic of Korea
Environment	Indoor
Fabrication process	welding
Grade/surface	430RE /No. 2B
Main thickness or diameter	0.5 mm
Manufacturer	LG Electronics
Material supplier	POSCO
Source of information	POSCO

Stainless steel has been associated with washing machine drums for many years. Although they were originally manufactured from austenitic 304 material, the continuing quest for price stability has moved the industry towards ferritic grades. At first, because of difficulties associated with continuous welding, 430 grade drums were manufactured using mechanical joining techniques, such as a seam-locking structure. POSCO has developed a weldable material, grade 430RE, which can be welded using laser welding, improving productivity. Furthermore, this grade 430RE features enhanced ridging endurance and better formability with a combination of higher elongation and lower strength.