The Exhaust Gas Recirculation Cooler for gasoline engines has been developed to improve fuel efficiency. By cooling exhaust gases and recycling a large volume of the gas, this unit reduces pumping loss in the low-load region and improves the knocking limit in the high-load region, which improves the compression ratio. The traditional material of choice for EGR coolers has been austenitic stainless steel, but for this particular type, a ferritic grade of stainless steel has been adopted for the first time, considering the performance demands made by high-temperature exhaust gases, as well as the need to stabilise cost and reduce weight. This type of product will be adopted in a number of gasoline vehicles in the future in order to respond to every tightening fuel emission regulations.