

## **Low Iron Loss Non-Oriented Electrical Steels**

**Applicable to Large Motors and Generators**

**“50RM230” and “35RM210”\***

Table 1 Comparison of typical magnetic properties between new materials and conventional one

Grade	Thickness (mm)	Density (g/cm <sup>3</sup> )	Resistivity ( $\mu\Omega\text{-cm}$ )	Iron loss (W/kg)				Flux density (T)			
				$W_{10/50}$	$W_{15/50}$	$W_{10/60}$	$W_{15/60}$	$B_{10}$	$B_{25}$	$B_{50}$	$B_{100}$
35RM210	0.35	7.60	58	0.84	2.03	1.08	2.52	1.48	1.57	1.66	1.78
50RM230	0.50	7.60	58	0.99	2.25	1.25	2.80	1.48	1.57	1.66	1.78
Conventional	---	---	---	---	---	---	---	---	---	---	---

Table 2 Comparison of typical mechanical properties between new materials and conventional one

