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World Scope



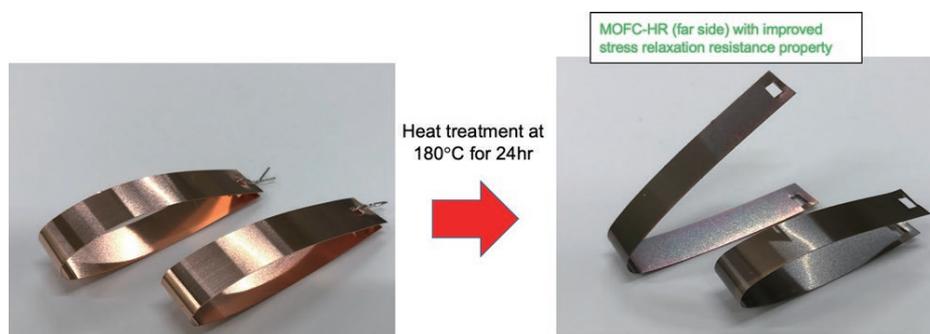
Mitsubishi Monitor introduces some of the latest news about Mitsubishi companies as they play an active role on the world stage.



Mitsubishi Materials

Mitsubishi Materials Redefines Oxygen-Free Copper with the Development of MOFC-HR

Mitsubishi Materials (MMC) has developed MOFC-HR (Mitsubishi Oxygen-Free Copper–Heat Resistance), an entirely new material that combines the conductive properties of pure copper and the strength and heat resistance of copper alloys. MOFC-HR retains the highest electrical and thermal conductivity of conventional oxygen-free copper (OFC), but boasts a 25% increase in strength with minimal degradation up to 400°C, 150°C higher than OFC. In addition, spring properties never seen with conventional OFC are now available. MOFC-HR is attracting attention in EV (electric-vehicle) and next-generation energy applications where materials that can carry high currents and dissipate heat are required. Visit the official press release for details including the contact for inquiries.



Heat resistance comparison between MOFC-HR (top strip) and conventional oxygen-free copper (bottom strip). MOFC-HR exhibits minimal degradation in properties even under severe thermal environments.

<https://www.mmc.co.jp/corporate/en/news/2021/news20211001a.html>



For more information about the Mitsubishi companies, see “mitsubishi.com”

■ <https://www.mitsubishi.com/en/>



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