HOSIDEN

Under Development Technical Report

Eco-friendly Material for High-frequency Applications

Sustainable Resins, Steady Performance.

Eco-friendly material that can be used in high-frequency connectors

New Materials with Low Dielectric and Biomass Content of 30% or More

Features

- Low-dielectric and eco-friendly material for high-frequency connectors, jointly developed with UNITIKA LTD. (Hosiden's original XecoT: Semi-aromatic nylon resin (PA10T))
- Dielectric constant (εr = 3.3 or less) and dielectric tangent (tanδ = 0.01 or less), close to those of conventional high speed data transfer connectors
- Biomass content 30% or more
- Reflow process resistant
- Resin compounding ratio can be adjusted according to the desired characteristics (e.g., eco-focused, strength-focused, etc.)

*XecoT is registered trademark of UNITIKA LTD.

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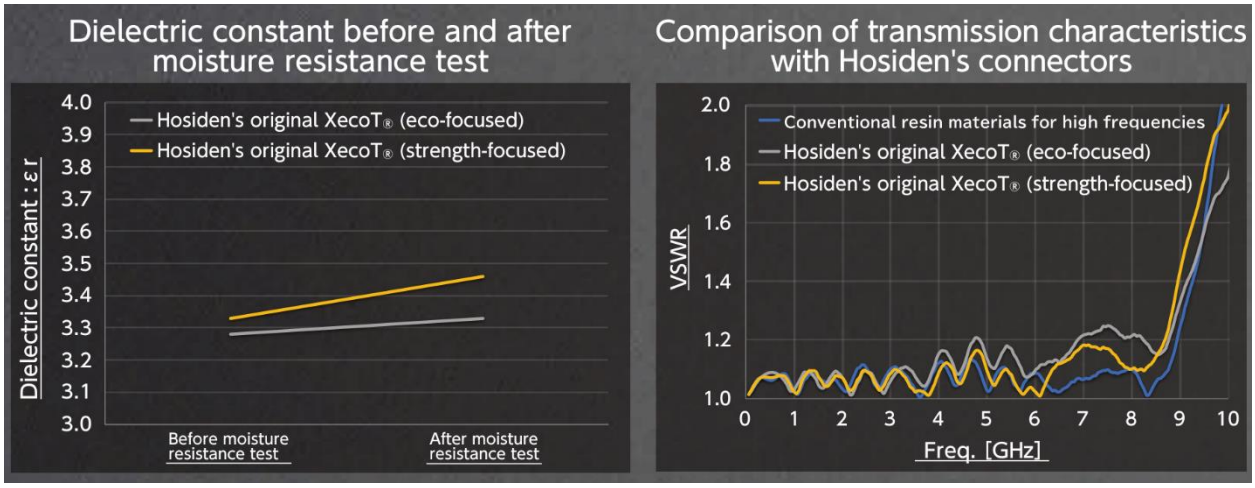
Features



Applications

- High speed data transfer connectors, etc.

∗Images are for reference only.

Specifications

Item	Eco-focused	Strength-focused
Dielectric Constant@1[GHz]	3.3 or less	3.3 or less
Dielectric Tangent@1[GHz]	0.01 or less	0.01 or less
Bending Strength[MPa]	6800	8400
Biomass Content[%]	Approx. 38.8	Approx. 30.5

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