

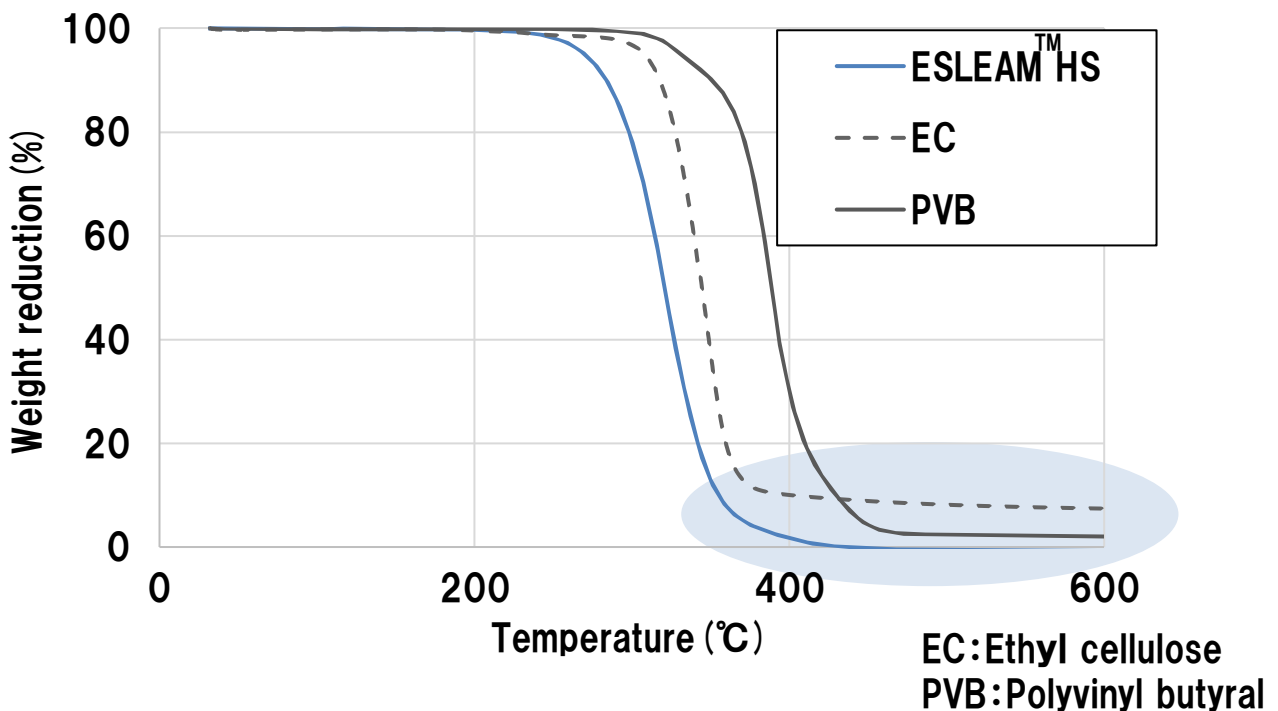
Rheology control agent **ESLEAM™ HS (Developed product)**

Characteristics

- Good thermal decomposability
- Improves the performance of nickel paste
 - Enables to create fine patterns by reducing blur and graze during printing
 - Enables to reduce binder amount by increasing adhesion between green sheets

Thermal decomposability

- Under nitrogen atmosphere



Good thermal decomposability

Paste formulation

| Materials | | Composition (wt ratio) |
|-----------|--|------------------------|
| Filler | Nickel (0.2 μm) / barium titanate (0.5 μm) | 46.0/9.2 |
| Binder | EC/PVB | 1.2/1.2 |
| Solvent | Dihydroterpineol | 41.5 |
| Additives | ESLEAM™ HS | 0.9 |

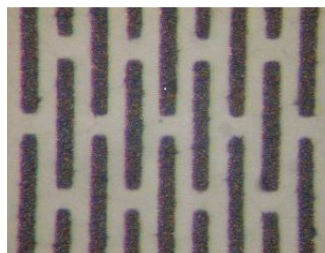


Performance

● Printed pattern (Line width 50 μm)



Without ESLEAM™ HS

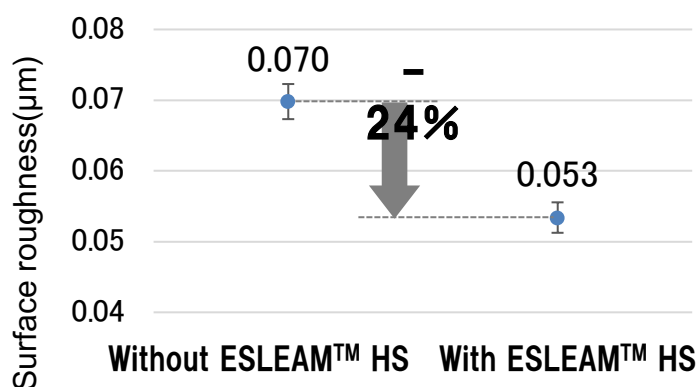


With ESLEAM™ HS

200 μm

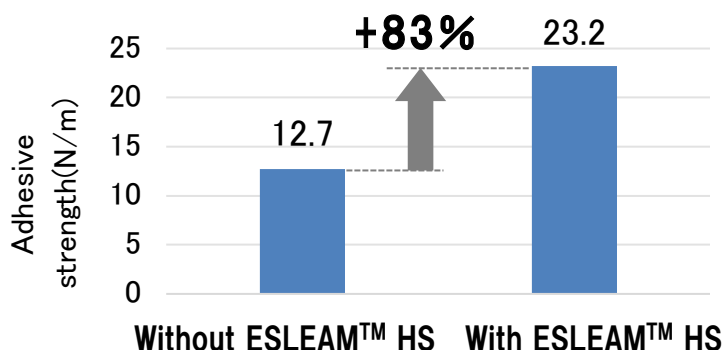
Enables to print fine patterns by reducing blur and graze during printing due to increasing thixotropy by ESLEAM™ HS

● Surface roughness



Enables to reduce surface roughness because ESLEAM™ HS increases dispersion of Ni powder

● Adhesion between green sheets



Enable to reduce binder amount because ESLEAM™ HS increase adhesion between green sheets

Please ask us regarding the legal and regulatory registration status

This catalogue is made by NOF CORPORATION based on our best knowledge and all of listed data are reference only. (not guaranteed) We recommend to refer our SDS before using our products and special attention should be paid in handling because all chemicals have unknown hazard. Please contact us when you have any other question.

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