Technical Data Sheet

ETERSOL 1730

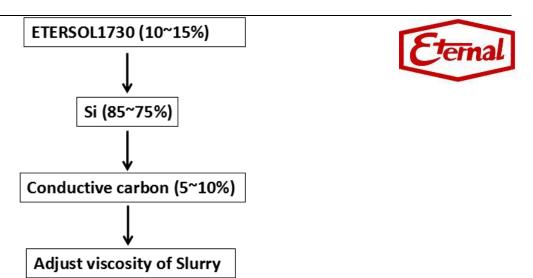


Required characteristics for effective binders with good capacity retention are, for example, sufficient binding of active material, adhesion to current collector, insolubility into electrolyte solution, high melting point, and chemical/electrochemical stability over a wide potential range.

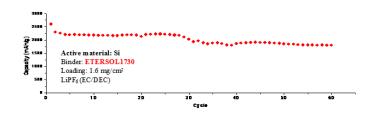
| Composition | |
|--|--------------------------------|
| ETERSOL 1730 | Aqueous dispersion of PAA. |
| Typical Properties | |
| Solvent | Water |
| Appearance | Transparent Light Amber Liquid |
| Viscosity (cps) Brookfield LVT Viscometer | 4000~8000 |
| рН (25 °С) | 4~8 |
| Non-Violent Content (wt%) | 7±1 |
| Shelf Life (month) | 4 |
| | _ |

Incorporation and Processing Instructions

| Mixing Process instructions | Binder addition suggestion- mixing process (1) | | | | |
|-----------------------------|--|----|-------------------|-------------|--|
| | >Active material: Si+Graphite | | | | |
| | >The coating layer loading < 4 mg/cm2 (using Pure ETERSOL1730) | | | | |
| | Formulation | Si | Conductive carbon | ETERSOL1730 | |
| | % | 80 | 8 | 12 | |



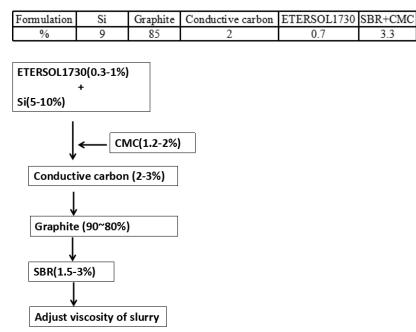
Adjusting slurry solid content and viscosity value based on customer process parameters. When slurry solid content is low, the coating process recommended to adjust the oven temperature and pay attention to the moisture content of coating layer.



Binder addition suggestion-mixing process (2)

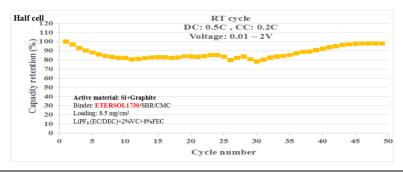
-->Active material: Si+Graphite

-->The coating layer loading > 4 mg/cm2, <10 mg/cm2



Adjusting slurry solid content and viscosity value based on customer

process parameters. When slurry solid content is low, the coating process recommended to adjust the oven temperature and pay attention moisture content of coating layer.



Special Features and Benefits

| Electrochemical | The addition of this binder may improve the electrochemical performance |
|-----------------|---|
| performance | of the Si-based electrode compared to that of conventional binder. |

Storage and Transportation

ETERSOL 1730

The shelf life is 6 month .