Rechargeable Battery Materials

Lib Battery Binder / TRD®

Battery binder (TRD®) is a water-based binder developed for forming the anodes of lithium-ion and nickel-metal hydride rechargeable batteries.

Battery binder functions as a binding material for carbon material and the copper current collector on the anode side and for metal oxide and the aluminum current collector on the cathode side. The binder itself creates an internal resistance in batteries, so it is preferable to add as little as possible to both bind the active materials and current collector and form strong poles.

Compared to conventional binder (PVDF), the TRD[®] battery binders of ENEOS Materials use SBR latex to provide excellent binding capability, electrolyte resistance, and cycling characteristics.

Grade	Properties
TRD 2101	General-purpose grade
TRD 102A	Small-particle binder for small-particle active materials
TRD 104A	Migration suppression and high adhesive strength
TRD 105A	Excellent polymer toughness and high adhesive strength