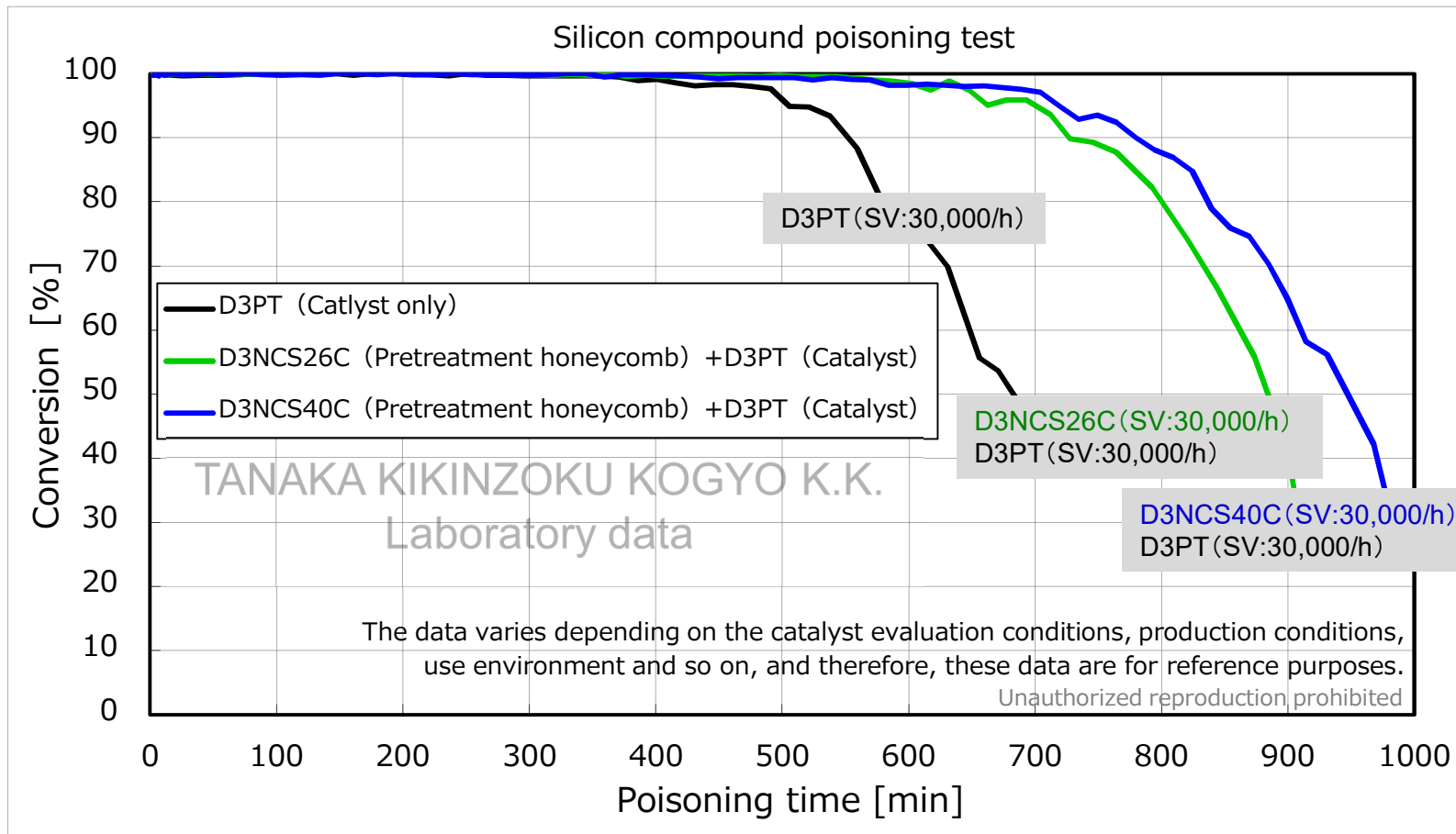


Example of Poisoning Characteristics by a Silicon Compound and Application of Pretreatment Material



Silicon compound poisoning test

Atomization of toluene solution with 5% dimethyl silicone oil

(Catalyst inlet temp.: 350°C, toluene: 300ppm, dimethyl silicone : 0.45ppm, Air balance)

Poisoning effects can be curtailed and the catalyst life span can be extended by applying a pretreatment honeycomb in the stage prior to the catalyst to address catalyst poisoning by silicon and phosphorous compounds. In addition, we handle products with enhanced silicon poisoning characteristics achieved by overcoating the catalyst with a pretreatment material. Please contact us for details.