



Technical Data Sheet

KTL-9S

PTFE Micropowder

KTL-9S is the PTFE micropowder as additive for coatings.

Especially this grade is good for coil coatings & single layer non-stick coatings.

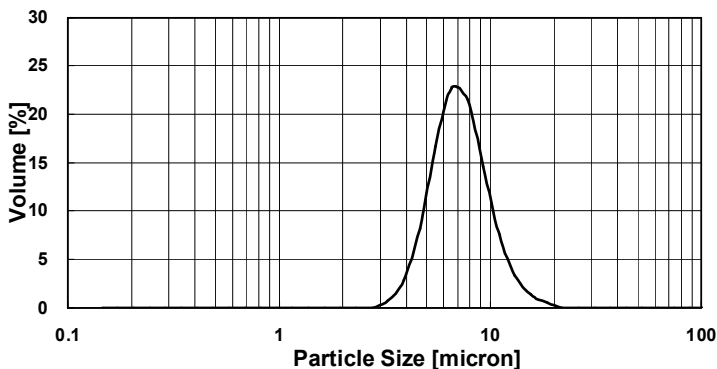
1. Features

KTL-9S is a fine powder of completely sintered PTFE. The grain of KTL-9S is hard, so it is hard to be crushed. The figure is nearly spherical with edges rounded off. KTL-9S can be dispersed into solvents and varnishes with light stirring. Because there is no foaming or increasing viscosity, you can apply PTFE in concentrated amounts, even 50wt%.

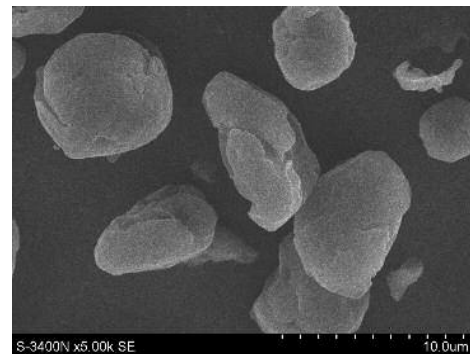
2. Properties

Property	Value	Measuring Method
Max. particle size	18.50 μ m or less	Laser diffraction scattering
D50	5.2~7.2 μ m	Laser diffraction scattering
Apparent density	0.45~0.65g/ml	JIS-K6891
Melting point	315 - 325 $^{\circ}$ C	TG-DSC
Heat resistance	250 $^{\circ}$ C	TG-DSC

KTL-9S Particle Distribution



SEM



3. Applications

Coating (Anti-scratch, Non-stick, Sliding)

Coil coating, Heat or UV set plastic coating, Thermoplastic elastomer, General-purpose plastics,

Grease, Oil, Rubber

FDA Regulatory Information: 21 CFR 175.300

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