

Product Introduction

PTFE super-fine powder ST-497 is one type of specially made low-molecular-weight PTFE white ultrafine powder. Because of PTFE's extremely stable molecular structure, this material exhibits excellent features such as chemical inertness, heat resistance, low frictional property, non-stick ability, and good scratch and abrasion resistant properties. This kind of ultrafine powder can be applied as additive in rubber, elastomer, engineering plastics, etc, to enhance the matrixes' relative properties.

The primary indexes of ST-497 PTFE super-fine powder

Appearance	Average Bulk Density	Particle Average Size(μm)	Whiteness	Specific Surface Area(m^2/g)	Melting Point($^{\circ}\text{C}$)
White powder	0.70 g/ml	D50: ~ 10 D90: < 25	$\sim 90\%$	~ 2	~ 327

Performances:

☀ Performing an extremely high and consistent level of slip and abrasion resistance due to their extremely low coefficient of friction, showing excellent non-stick and delocalization abilities

Typical Application:

☀ Widely applied as modified additive in rubber, elastomer and engineering plastics, etc.

Package, Storage and Caution:

1. The product are packed in damp proof rigid paper drum with two layers of plastic bags, 25kgs net weight per drum;
2. Stored in clean, dry place to avoid possible contamination by dusts, moisture, etc.;
3. Using temperature shall not be over 400°C .

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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