



# PTFE Powders



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## PTFE MICROPOWDERS

Polytetrafluoroethylene (PTFE) micro powder is white powder with a molecular weight of 30,000-200,000 and a particle size of 1-20  $\mu\text{m}$ . It not only basically maintains the excellent properties of PTFE, but also has many unique properties, such as high crystallinity, good dispersibility, easy to be mixed with other materials evenly. Therefore, it is widely used in the blending modification of polymer materials to improve the lubricity, wear resistance, non-stick performance and flame retardancy of the host materials, so that the performance of the host materials is significantly improved.

CAS No: 9002-84-0



Product Code	Particle Average Size( $\mu\text{m}$ )	Average Bulk Density(g/L)	Specific Surface Area( $\text{m}^2/\text{g}$ )	Whiteness	Moisture Content(%)	Main Applications
TPD-503	3.0	$\leq 350$	10	$\geq 99\%$	$\leq 0.03$	1. Lubricants and Grease 2. Coatings & Paints
TPD-505	5.0	$\leq 450$	3	$\geq 95\%$	$\leq 0.03$	1. Plastics 2. Rubbers 3. Lubricants and grease
TPD-505S	5.5	$\leq 850$	2	$\geq 80\%$	$\leq 0.03$	1. Plastics 2. Rubbers 3. Coatings & Paints 4. Inks

## Professional supplier of fluorinated materials

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TPD-511	11.0	$\leq 400$	2.5	100%	$\leq 0.03$	1. Plastics 2. Rubbers 3. Coatings & Paints
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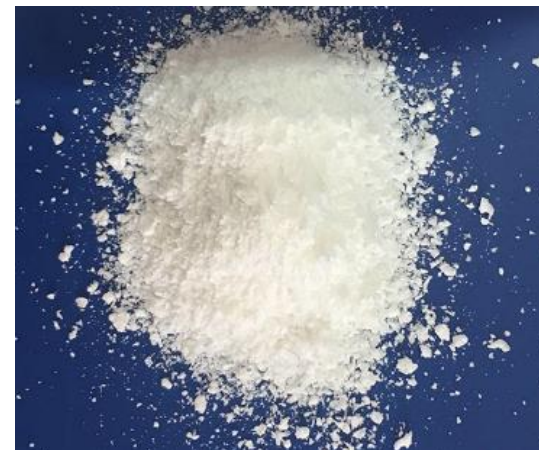
## PTFE NANOPOWDERS

Polytetrafluoroethylene (PTFE) nano powder is a kind of low molecular weight(10,000-30,000) white powder processed by special technology. The average molecular particle size of D50 can reach nanoscale, which makes it very easy to add. It is suitable for customers who have very high requirements for product fineness.

Product Code	Particle Average Size( $\mu\text{m}$ )	Molecular Weight	Average Bulk Density(g/L)	Whiteness	Moisture Content(%)
TPD-500N	1.0	10,000~30,000	$\leq 700$	100	$\leq 0.03$

## PTFE ANTI-DRIPPING AGENT

PTFE Anti-dripping agent is mainly used in plastic materials that require flame retardant grade up to V0. It can prevent melting dropping and improve flame retardant performance. It can still meet the requirements of standard UL V-0 when reducing the amount of flame retardant, and at the same time reduce costs and enhance product competitiveness. High molecular weight PTFE (molecular weight of about 4 million to 5 million) fibrosis under the shear force of the screw to form a network structure, thus playing a role in anti-dripping.



Product Code	Type	PTFE Content	Apparent density, g/L	Main Features
TPD-605	Coated Type	≥50%	400g/L	<ul style="list-style-type: none"><li>● Excellent dispersibility, compatibility and operability</li><li>● No agglomeration at room temperature</li></ul>
TPD-610	Pure Powder	≥99.99%	400g/L	<ul style="list-style-type: none"><li>● Can be added in large amount without any other impurities</li><li>● Less impact on the impact strength due to good compatibility</li></ul>
TPD-650	Pure Powder	≥99.99%	700g/L	<ul style="list-style-type: none"><li>● Can be added in large amount without any other impurities</li><li>● Less impact on the impact strength due to good compatibility</li></ul>