

Dova PTFE 403

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Polytetrafluoroethylene (Micro powder)

Product Description

Dova PTFE 403 is available as a white-micron powder of polytetrafluoroethylene with low molecular weight by a special method. Its' molecular is 10,000~30,000. It is mainly applied in engineer plastic. It can obviously improve the wear resistance, lubricity, non-viscosity and flame retardant of the matrix material and advance the performances of basically materials. Dova PTFE 403 is also used as processing agent and a separate lubricant, but it can't be in place of high molecular weight PTFE suspension or dispersion resin for extrusion or molding.

Benefits

- Dova PTFE 403 has good performances as PTFE.
- It is with good dispersion, and more easy to be mixed with other materials.
- It is widely applied to blending with other polymers. The service temperature is range from -190°C~300°C for a long period.
- Dova PTFE 403 has high crystallinity with its special method.
- Dova PTFE 403 is low coefficient of friction and excellent weather resistance.

Specifications

Characteristics	Unit	Standard Request	Test Method
Appearance	--	White powder	Visual
Standard Specific Gravity	g/cc	2.1~2.2	ASTM D5675
Moisture content	% (w/w)	0.05Max	150°C/2h
Specific surface area	m ² /g	1.5~4.0	ASTM D5675
Melt Peak Temperature	°C	324-332	ASTM D4591
Bulk Density	g/L	200~450	ASTM D4895
D50 (Average Particle Size)	µm	3~5	ASTM D4464
D99 (Maximum Particle Size)	µm	15 Max	ASTM D4464

¹⁾ Delivery specification: The product is monitored on a regular basis to ensure that it adheres to the specified values.

²⁾ Technical data: The technical data are used solely to describe the product and are not subject to regular monitoring.

Applications

Dova PTFE 403 is used in various thermoplastic/thermosetting plastics, rubber and elastomers as processing agent, which can be reducing the friction coefficient of material surface, improving the wear resistance of materials, preventing scratch on the surface of materials. Meanwhile, it plays the role of internal lubrication and demoulding It is also improved the viscosity resistance and friction resistance of resin and avoid the appearance of surface defects and scale formation. Dova PTFE 403 proportion added is 5%~20%.

Dova PTFE 403 is mainly used for plastics, such as PA, POM, PC, polyester, PI, PPS, PEEK, polysulfone.

Delivery Form

White powder

Packaging

Dova PTFE 403 is supplied in plastic bag in Cardboard barrel of 25kg.

Storage

Dova PTFE 403 is in sealed containers at room temperature in a dry place. Partially emptied containers should be carefully resealed after use.

Minimum shelf life is 24 months from the date of shipping when stored according to the said conditions.

Contact Us

Please contact us for safety and regulatory details or the Material Safety Data Sheet (MSDS).