

3M Dyneon™ J24 PTFE

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE

Material Notes:

3M™ Dyneon™ PTFE Micropowders can be used as additives in many applications and at concentrations typically from 5 to 20%.

Homogeneous incorporation is the single most important process and application consideration. Due to poor flow properties of the micropowder it is recommended that the micropowder and matrix material both be at a temperature below 30°C (86°F). However, in the case of thermoplastic blends, the micropowder may be incorporated into the melt. Dyneon PTFE Micropowder J24 can be dispersed using a variety of mixing equipment. Depending upon the application, high speed mixers and tumble blenders have been successful for dry blends, while propeller mixers work well for wet mixtures such as solvents and oils. Glass bead mills should be used for relatively high viscosity mixtures and roll mills for very high viscosity applications, such as lubricating greases and oils. Low molecular weight PTFE powder is non-friable, stable particle. Relatively low specific surface area compared to other PTFE micropowders. Little or no viscosity effect on matrix material. Broad chemical resistance and temperature range of use. Information provided by Dyneon, A 3M Company

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Dyneon-J24-PTFE.php

Physical Properties	Metric	English	Comments
Bulk Density	0.400 g/cc	0.0145 lb/in ³	ASTM D4895
Particle Size	15 µm	15 µm	Hegman; Grinde Gauge
	20 µm	20 µm	Laser Diffraction

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