

PRODUCT INFORMATION

Microthene F

Premier spherical microfine polymer powders



Microthene F powders are ultra-fine (~ 20 micron), spherically shaped particles with a narrow particle size distribution suitable for a broad range of industrial applications, such as a low-profile additive for fiber-reinforced plastics, as a binder in activated carbon water filters and as a partitioning agent for tacky polymers.

Product Benefits

- Spherical shape allows effective partitioning at low addition rates
- Improved part clarity compared to talc and other inorganic additives
- Broad FDA food contact clearance
- Evenly coats and bonds to activated carbon when used as a binder in water filters for effective filtration
- Reduces percent shrinkage and improves gloss in bulk molding applications

Properties	FE532-00	FA700-00	FA709-00	FN501-00	FN510-00	FN519-00
Base Resin	EVA	HDPE	HDPE	LDPE	LDPE	LDPE
Particle Type	Microfine	Microfine	Microfine	Microfine	Microfine	Microfine
Average Particle Size (micron)	20	20	20	20	20	20
Flow Enhancement	No	No	Yes	No	No	Yes
Melt Index (MI) (g/10min)	8	10	10	22	5.3	5.3
Density (g/cm ³)	0.926	0.952	0.952	0.915	0.923	0.923
Vicat Softening Point (°C)	75	125	125	82	97	97
Peak Melting Temperature (°C)	96	134	134	102	110	110
Particle Shape	Sphere	Sphere	Sphere	Sphere	Sphere	Sphere
Bulk Density (lb/ft ³ , packed)	25-32	25-32	25-32	25-32	25-32	25-32
Meets Requirements of FDA 21CFR, 177-1520*	–	Yes	Yes	Yes	Yes	Yes

* Specific limitations of use may apply. Contact your performance products representative for more information.

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