

F-MELT[®] F1

Technical Data Sheet

www.f-melt.com

F-MELT[®] - Fast Melt Tablets Made Easy!

F-MELT[®] F1 is a co-spray dried pre-mix for dietary supplements, consisting of starch, cellulose, and inorganic excipient. Oral disintegrating tablets (ODTs) and chewable tablets can be easily prepared by simply blending F-MELT[®] F1 with active ingredients and lubricant.



Key Features

- Ready-To-Use excipient for ODTs
- Fast disintegration in oral cavity
- Spherical particle with excellent flowability
- Directly compressible
- High API loading possible
- Tablet hardness more than 50 N possible
- Excellent compressibility and disintegration
- No special equipment for ODT manufacture
- No royalty or license fees required

General Properties

Appearance	White to pale yellow powder
Loose bulk density (g/mL)	0.50
Angle of repose (°)	31
Loss on drying (%), (105°C, 4hr)	5.9
Mean particle size distribution (µm)	139
Ingredients	Waxy Rice Starch MCC Fujicalin [®]

Sample Formulation (Vitamin B12)

Vitamin B12 tablet: ø 10 mm, 300 mg/tablet (V.B12 500 µg/tablet)



Compression Force: 3.9-4.0 kN
Tablet Hardness: 59.8 N
Oral Disintegration Time : 30 sec

Formulation	(%)
Vitamin B12	0.17
F-MELT [®] F1	96.33
Talc	0.7
Strawberry flavor	2.0
Aspartame (Sweetener)	0.3
Sucrose ester S-370F	0.5

Handling & Storage

Packaging: 20 kg double-lined Kraft bags
Storage: Store at room temperature and avoid high humidity.
Shelf life: 3 years from the date of manufacture stored in recommended conditions.

