

# STRUCTURE OF POLLEN GRAIN - (Palynology)

Male gametophyte

Exine is made up of Sporopollenin  
 • Most resistant organic Mat  
 • It is non biodegradable

NEET

Veget  
 Germ pore



**Exine** → outer thick wall  
 → rigid  
 → ornamental

**Intine** → thin wall cell  
 → Made up of pecto-cellulose  
 → Pectin → cellulose  
 → continuous, soft and elastic in nature

Enzyme

Germ pore  
 → pollen tube

CELL of pollen grain

Tricolpate → No. of Germ pores → 3

Monocolpate  
 Only one germ pore (Monocolpate)

Vegetative cells  
 Generative cells  
 → Oil layer protection  
 → Sticky surface is due in attachment  
 → yellow colour is due to insect

Pollen kit

oil layer → (insect)  
 → Lipid + Carotenoid  
 → Cruciferae, (Brassicaceae)

FUNCTION

Capsella

