

難燃ハイドロタルサイト HT-88F

用途 Recommended Uses

- 各種樹脂の難燃助剤として
As a flame retardant additive for various resins

特徴 Characteristics

- 三酸化アンチモンとの併用で高い難燃性を発揮
Superior flame retardancy in combination with antimony trioxide(Sb_2O_3)
- 樹脂へ耐熱性を付与
Provides heat resistance to resin
- 優れた酸中和性能
Superior acid neutralizing performance
- 樹脂に近い屈折率のため、透明性を損なわない
High transparency due to refractive index close to resin
- 人体に対し無害
Non-hazardous to the human body

難燃性評価 Flame retardant evaluation

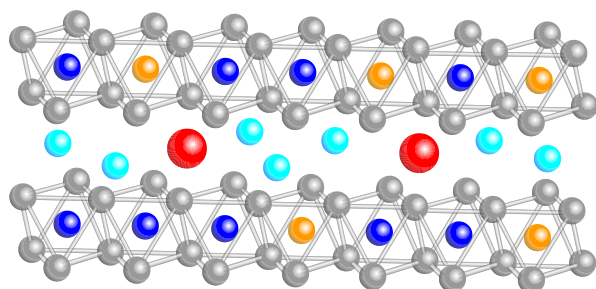
Flame retardant \ Condition	①	②	③
Antimony trioxide(Sb_2O_3)	5 PHR	1 PHR	1 PHR
HT-88F	—	—	4 PHR
UL-94	V-0	V-1	V-0

<Formulation>

PVC (P=1300)	100PHR
Plasticizer	50PHR
Clay	5PHR
Ca/Zn Stabilizer	5PHR
Flame Retardant	@

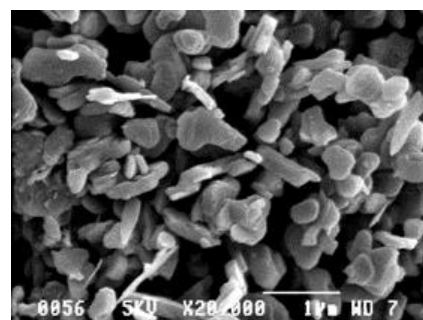
三酸化アンチモン減配でも同等の難燃性
Equivalent flame retardance with reduced antimony trioxide(Sb_2O_3)

Crystal Structure of HT



- Mg^{2+}
- Al^{3+}
- H_2O
- CO_3^{2-}
- OH^-

SEM



わくわくカンパニー
堺化学工業株式会社
SAKAI CHEMICAL INDUSTRY CO., LTD.

Tokyo (東京) TEL 03-5823-3723 FAX 03-3861-1511
Osaka (大阪) TEL 072-223-4155 FAX 072-223-4177
URL : <http://www.sakai-chem.co.jp/>
Mail : sales-t@sakai-chem.co.jp