







Fire retardant systems



Product information

XF[®]T-Series

Fire retardant systems

| | |
|---|--------------------------------------|
|  | Novel synergistic behaviour |
|  | Halogen-free |
|  | RoHS compliant |
|  | Reduces smoke & toxic gas production |
|  | Reduces rate of burn |
|  | Improves ash strength |



Johnson Matthey
Colour Technologies

Information

XF®T-Series Fire Retardant Systems are inorganic additives designed for use as a flame retardant systems for a wide variety of applications.

Significant improvements in flame-retarding properties can be achieved, especially in char formation and thermal stability.

These products are free from halogen compounds and can be effective in combination with halogen and non-halogen fire retardant systems.






Application

XF®T-Series fire retardants are suitable for use in industrial and decorative coatings, engineering plastics, cable & wiring and rubber compounds.

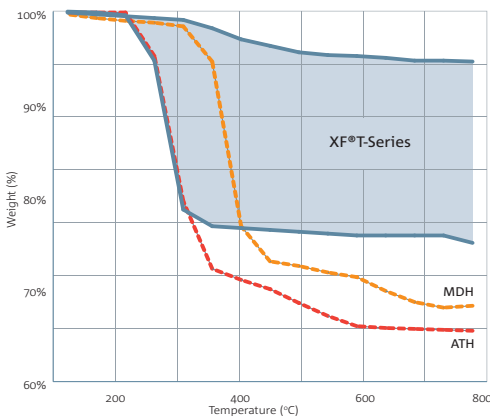
Addition rates are typically in the range of 5 - 15% by weight of formulation.

Typical properties

| | XF T-Series | MDH | ATH |
|------------------|-------------|-----------|-----------|
| Loss at 105°C | 0.3 - 0.5 | 0.6 | 0.4 |
| Loss at 1000°C | 8.3 - 24.2 | 31.0 | 34.5 |
| Specific Gravity | 2 - 3 | 2.39 | 2.42 |
| Mohs hardness | 3 - 5 | 2.5 - 3.5 | 2.5 - 3.5 |

| Applications | |
|--|---------------------------|
|  | Composites |
|  | Wire & Cable |
|  | Flooring |
|  | Wall and textile coatings |
|  | Paints |

Thermal stability



RoHS directive

Re: Directive 2002/95/EC of the European Parliament and of the Council of 27th January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

XF®T-Series do not contain any additions of lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenylethers (PBDE).



ISO9001: FM 23657
ISO14001: EMS 507805

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