







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.

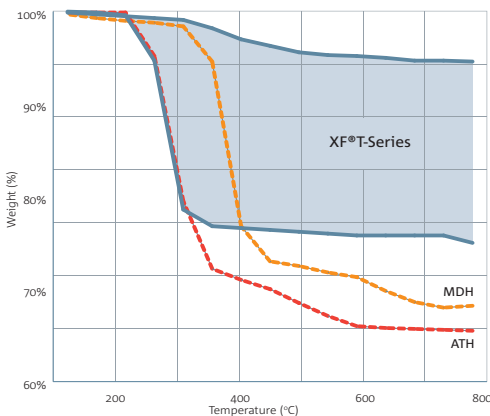
Addition rates are typically in the range of 5 - 15% by weight of formulation.

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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