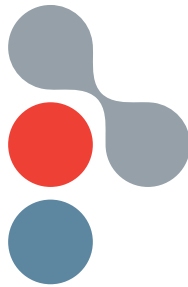


Fire retardant systems



Product information

XF[®] Series

Fire retardant synergists

	Halogen-free
	RoHS compliant
	Reduce smoke & toxic gas production
	Reduce heat release rate
	Improves ash strength
	Reduce spread of flame



Johnson Matthey
Colour Technologies

Information

XF® Series Synergists are inorganic additives designed to enhance the performance of flame retardant systems.

The range is free from halogen compounds and will be effective with halogen and halogen-free fire retardant systems.






Application

XF® Series should be considered whenever an improvement to fire retardant systems is required for wire & cable, flooring, wall & textile coatings, composites, transparent systems (including gel coats) and paints.

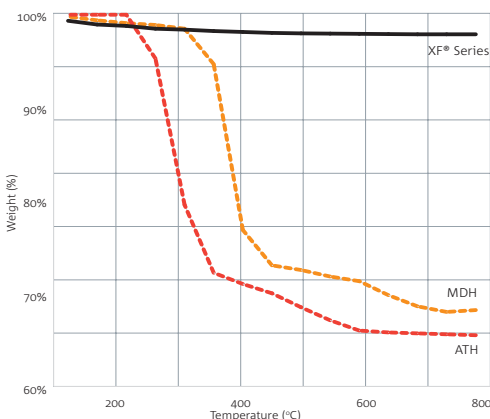
Addition rates are typically in the range of 5 - 15% by weight of formulation.

Typical properties

Particle Size D ⁵⁰	3.5 - 5.5 μ
Loss at 105°C	<1%
Loss at 1000°C	<2.5%
Specific Gravity	2.30 - 2.50
Bulk Density (untapped)	0.45 - 0.55 KgL ⁻¹
Refractive Index	1.55 - 1.59
Mohs hardness	4.5 - 6

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® Series Flame Retardant Synergists 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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