



## Kaixin halogen-free, bromine-free flame

### Product property sheet

#### Describe

Kaixin provides functional film materials with excellent electrical insulation properties and flame retardant properties. The UL94 fire rating reaches V-0 or VTM-0, which is environmentally friendly and meets UL standards. Transparent or opaque films are available in a variety of specifications.

#### Typical physical properties

Performance	Value	Unit	Standard test
Physical properties			
Water absorption	0.2	%	ASTM D570
Proportion	1.2	g/cm <sup>3</sup>	ASTM D792
Pencil hardness	4B	500g weight	Mitsubishi Pencil ASTM D3363
Mechanical behavior			
Tensile Strength	60.2	MPa	GBT 1040.1-2018&GB/T1040.3-2006
Elongation at break	160	%	GBT 1040.1-2018&GB/T1040.3-2006
Tensile breaking force	60.9	MPa	GBT 1040.1-2018&GB/T1040.3-2006
Electrical properties			
Dielectric constant 1MHZ	3	/	IEC 60250
Dielectric constant 100HZ	3.1	/	IEC 60250
Dielectric loss 1MHZ	90	/	/
Dielectric loss 100HZ	10	/	/
Thermal properties			
Molding shrinkage	0.5~0.7	%	ASTM D955
Vicat softening point	148	°C	ISO 306
Flame retardant properties			
Flammability	V0	/	UL94

Note: This test is for reference only and is not an absolute application indicator.

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