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# **HFFR**

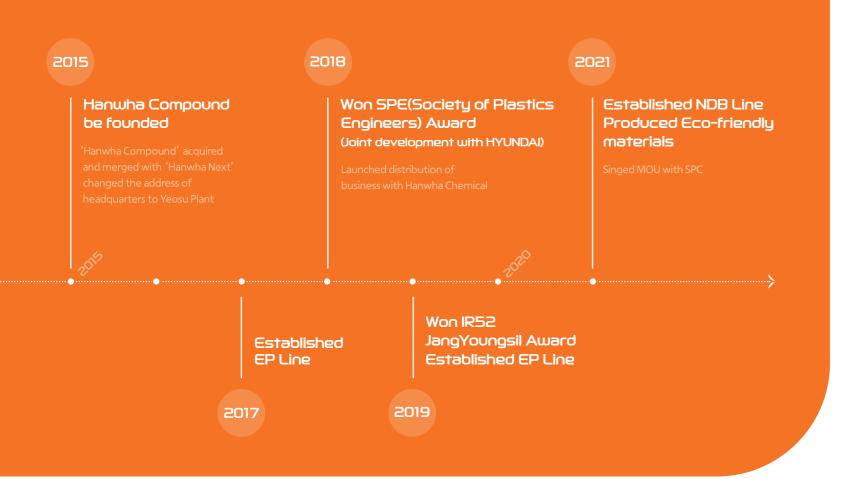
## Halogen Free Flame Retardant

PP Compound





## History

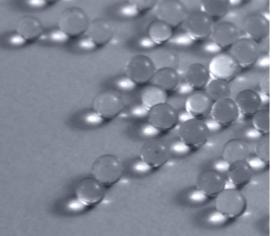


#### TDS

#### HFFR-1510

PROPERTIES	TEST METHOD	UNIT	TEST CONDITION	TYPICAL VALUE		
PHYSICAL				NC	NT	СК
SPECIFIC GRAVITY	ASTM D792	_	23℃	1.03		
MELT INDEX	ASTM D1238	g/10min	230℃, 2.16kg	17	10	7
MECHANICAL						
TENSILE STRENGTH(YIELD)	ASTM D638	kg/cm²	50mm/ min	240	200	150
FLEXURAL MODULUS	ASTM D790	kg/cm²	30mm/ min	32,000	23,000	15,000
THERMAL						
FLAMMABILITY	UL 94	CLASS	1.5mm	V-0		
PROCESSING GUIDE(INJECTION MOLDING)						
NOZZLE TEMPERATURE		°C		200-230		
MOLD TEMPERATURE	°C 40–60					
DRYING TEMPERATURE	°C 80					
DRYING TIME	hr 2-4					





## **Product**

### **HFFR**



#### Is Non-Halogen

- Polypropylene base with eco-friendly Flame Retardant
- Compared to conventional materials, HFFR holds a special trait of 30% low specific gravity

#### **Provides Competitive Price**

• HFFR offers reasonable prices, up to a 20% in terms of cost reduction

#### ls Proven

- HFFR meets the following international standards
- UL94:746A,746B
- RoHS: 6 heavy metals materials are not detected Halogen materials(Br,Cl) are not included

#### Is available for all colors

• All products are customizable

## **Application**

#### Home Appliance

#### **Automobile**





- Rice Coocker PCB Case
- Fliter PCB Case
- Refrigerator PCB Case
- FPCB Cover • EV Battery Insulation Cover & Bottom

EV Socket



#### Industrial Plastic

