



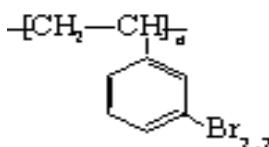
## Brominated Polystyrene FR-BPS

FR-BPS, is a kind of high molecule flame retardants. It is particularly suitable for polyester (PET, PBT, PCT) and polyamines (PA). with exceptional flow properties in engineering thermoplastics and excellent resistance to yellowing at high temperatures. Customers report significant improvements in compounding speed and molding throughput when using this product, as well as improved dimensional stability and elongation resistance in molded parts. Like other brominated polystyrenes, FR-BPS flame retardant is non-blooming. It is insoluble in water and presents no bioaccumulation or dioxin/furan concerns.

**Chemical Composition**

Chemical name  
Cas No  
Molecular weight

Brominated Polys  
88497-56-7  
50000 max.

**Physical properties**

Appearance	White powder or granular	
	Unit	Value
Bromine Content	%	64.0~67.0
Melting point	°C	-
Volatile	%	≤ 0.1
Tg	°C	150 min.

**Thermogravimetric Analysis**

Weight loss	Temperature
1%	344
3%	362
5%	371
10%	379
20%	394
50%	398

**Features**

1. Excellent Flow In Resin
2. Very Good Color
3. Excellent Thermal Stability
4. Excellent heat stability
5. Excellent Non Blistering Performance
6. Improved Mechanical Properties
7. Low Loadings

**Recommend dosage**

Nylon	18%
Nylon+GF	15%
PBT or PET	12%

	1#	2#
PA6	44	/
PA66	/	44
GF-staple	30	30
FR-BPS	18	18
Sb2O3	6	6
Auxiliaries (AO)	2	2
UL-94 (3.2mm)	V0	V0
UL-94 (1.6mm)	V0	V0
UL-94 (0.8mm)	V0	V0

---

**Packing**

25kgs / bag

---

**Storage and handling**

Avoid high temperature, stored in a cool dry place,

---