

# SAYTEX® 621 Flame Retardant

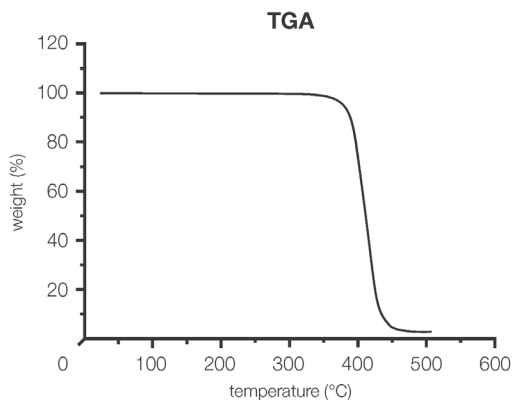
## DESCRIPTION

SAYTEX 621 flame retardant is a physical blend of brominated polystyrene and a polyester resin. It is supplied in a convenient low-dust pellet form and contains a high level of bromine, about 64 percent.

## TYPICAL PROPERTIES\*

|  |                            |
|--|----------------------------|
| Appearance/ form   | off-white pellets/granules |
| % Bromine (theoretical)  | ~ 64.6                     |
| Softening point (°C)   | 220                        |
| Molecular weight   | Proprietary (polymeric)    |
| Tg (°C)  | 164                        |
| Specific gravity (@23.5 °C)  | 2.1                        |
| Bulk density lb/ft <sup>3</sup> , (kg/m <sup>3</sup> )             | 73.5 (1180)                |
| Solubility (weight % at 23 °C):                                    |                            |
| Water  | <0.1                       |
| Acetone  | <0.1                       |
| Methanol   | <0.1                       |
| Toluene  | 52.0                       |
| Styrene monomer  | 49.4                       |
| TGA (TA Instruments, model 2950, 10 °C/min under N <sub>2</sub> ): |                            |
| 1% weight loss, °C   | 347                        |
| 5% weight loss, °C   | 379                        |
| 10% weight loss, °C  | 388                        |
| 50% weight loss, °C  | 412                        |

\*These properties are typical but do not constitute a specification either in part or as a whole. Specification data is available on request from sales, customer service or customer technical service.



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## SHIPPING INFORMATION

**Transportation Classification**  
Not regulated for transportation

**Container Information**  
Packaging and minimum order information are available from sales or customer service.

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## SAFETY AND HANDLING INFORMATION

**Responsible Care**  
Albemarle is committed to the safety and well-being of our customers, employees and the community at large. Material Safety Data Sheets (MSDS) are available upon request from the offices listed below

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## CHEMICAL REGISTRATION NUMBERS

CAS: Blend  
EINECS: Blend  
MITI: Blend

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