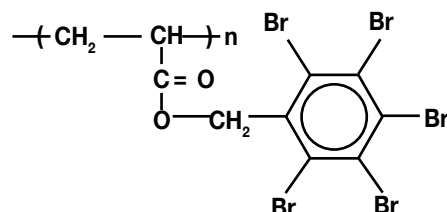


FR - 1025 (brominated polyacrylate)

Flame Retardants®

Chemical name: Poly pentabromobenzyl acrylate FR-1025
Formula: $(C_{10}H_5Br_5O_2)_n$
CAS Number: 59447-57-3
%Br: 71.0
MW: Polymer



General & Use:

FR- 1025 is a polymeric flame retardant with a high content of aromatic bromine and good thermal stability. It is especially suitable for engineering thermoplastics, PET, PBT, nylon and styrenic copolymers.

FR-1025 exhibits inherent advantages over other halogenated FR additives currently offered for the same application, as a result of its polymeric nature, high bromine content and excellent thermal stability.

The use of FR-1025 is advantageous when good processability, good impact, excellent compatibility with fiber reinforcement and electrical properties are required.

For health & safety matters please refer to MSDS

Typical Properties:

Appearance	WHITE TO OFF-WHITE FLOWING POWDER
Bromine Content %	71
Specific Gravity	2.5
Melting Point °C	190-220

Thermogravimetric Analysis (10°C/min, air):

Weight Loss(%)	°C
2	320
5	330
10	335

Solubility:

At ambient temperatures and up to 100°C, brominated polyacrylate is insoluble in common organic solvents: aliphatic, aromatic and chlorinated hydrocarbons, non cyclic and cyclic ethers (e.g.dioxane and THF) and ketones, DMF and DMSO.

Please note that the values indicated do not constitute specification limits. To obtain current specifications, refer to your local Sales Office/Representative or ICL-IP Head Office at address herein.

Storage and Handling:

Store in a dry, cool and well-ventilated area. Avoid exposure to moisture. Avoid exposure to heat and to sunlight

For more information please contact your local ICL office.

Visit our Website: www.icl-group.com

For more information about our products and to place an order, please contact one of our regional sales offices.

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