

Chemical Name: Brominated Epoxy Polymer

Formula: $C_3H_5O(C_{18}H_{16}O_3Br_4)_n C_{18}H_{15}Br_4O_2$

CAS Number: 68928-70-1

%Br: 52.0 – 54.0

MW: 32,000

General & Use:

F-2400E is a high molecular weight brominated polymeric flame retardant recommended for use in a broad range of thermoplastics, such as PBT, PET, polyamides (nylon 6 and 66), thermoplastic polyurethanes, alloys (e.g. PC/ABS) and styrenics (ABS, HIPS).

The high molecular weight of F-2400E and its chemical structure offer the following advantages:

- High thermal stability and thermal ageing
- Excellent processability
- Non-blooming
- High UV stability

Its high molecular weight and its convenient softening range ($T_g = 150^\circ\text{C}$), make F-2400E a carrier of choice for various flame retardant masterbatches.

For health & safety matters please refer to the SDS.

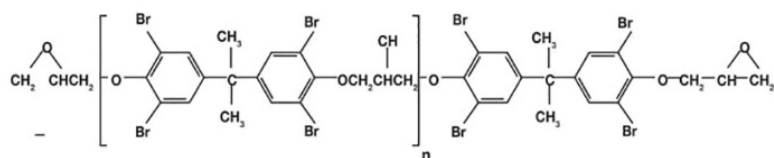
Typical Properties:

Appearance	Light Straw Granules
Bromine Content %	53
Specific Gravity	1.8
Molecular Weight	32,000
Softening Range T_g °C	145 - 155
Color APHA Dioxane 10% Soln	100

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

Weight Loss (%)	°C
2	345
5	352
10	357

Flame Retardants:



Solubility:

Solvent	Soluble	Insoluble
DMF	X	
Dioxane	X	
Alcohol		X
MEK		X
MIBK		X
Xylene		X
Water		X

Please note that the values indicated do not constitute specification limits. To obtain current specifications, refer to your local Sales Office/Representative or ICLIP 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.

F-2400E



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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