

PRODUCT APPLICATION NOTE

This product application note reviews the utility of various products manufactured by Unitex Chemical Corporation. These materials are useful in a number of synthetic resin formulations. This product application note is focused on the flame retardants manufactured by Unitex Chemical Corporation. The products are:

UNIPLEX FRP-45 (Bis (2-Ethylhexyl) Tetrabromophthalate, CAS No. 26040-51-7): This low volatility, flame retardant plasticizer provides excellent plasticizing and flame retardant properties in formulations using PVC, Neoprene, and EPDM. This product is useful for wire and cable, conveyor belts, and various industrial PVC applications.

UNIPLEX BAP-370 (Tris (Tribromoneopentyl) Phosphate, CAS No.19186-97-1): This melt processable, solid flame retardant (melting point 181°C) has low volatility and is compatible with polypropylene (molding and fiber applications), HIPS and EPS (no "leopard spots" due to decomposition like HBCD), and PVC (a low smoke additive). This product has excellent chemical resistance and light stability (does not react with HALS light stabilizers). 5% loading will achieve a UL-94 V-2 rating.

UNIPLEX FRP-64 (Polydibromophenylene Oxide, CAS No.69882-11-7): This melt processable, solid flame retardant (melting point 210°C) is useful in thermoplastic polyester and nylon (both unfilled and glass-filled). It has excellent mechanical and thermal stability properties with low shrinkage rates. Loading levels for UL-94 V-0 applications are approximately 15%.

For further information on these products as well as other flame retardants, visit our website at www.unitexchemical.com or call (800) 378-0965.

Unitex Chemical is a growing specialty chemical corporation focused on manufacturing high performance plasticizers and flame retardants. We serve a variety of applications such as the adhesives, sealants, cosmetics, coatings, and thermoplastics and thermoset markets.

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