

Fyrol[®] A 710

Flame Retardants[®]

Chemical name: Proprietary halogen-free phosphorus ester
Formula: X
CAS Number: Proprietary

General & Use:

Fyrol[®] A710 is an all-phosphorus additive flame retardant recommended for use in the Automotive MVSS302 and furniture California Technical Bulletin 117 flammability tests. Its superiority is demonstrated in low discoloration. Foams containing this product exhibit good compression set and IFD properties. This additive has low volatility and good processing characteristics.

Fyrol[®] A710 is a halogen-free, phosphorus-based flame retardant commercially used in flexible polyurethane foams. It is a clear transparent, non-viscous liquid with low scorch properties. Its superiority is demonstrated in low discoloration, excellent hydrolytic stability, low volatility, low fogging and processing characteristics which enable its incorporation into foam formulations with little or no effect on foam processing.

For health & safety matters please refer to SDS.

Typical Properties:

Physical appearance	clear transparent liquid
Phosphorus content wt. %	8.5
Specific gravity @ 20°C	1.182
Density @ 20°C lbs/gal	9.85
Density @ 20°C kg/m ³	1182
Viscosity @ 25°C mPa.s	70
Viscosity @ 38°C mPa.s	32
Acidity mg KOH/g	0.1
Water content wt. %	0.1
Color APHA	<75

Packaging:

Available in bulk tank trucks, isocontainers, 2,500 lb totes, and 533 lb drums.

Thermogravimetric Analysis (10° C/min N₂):

Weight Loss, (%)	°C
2	213
5	234
10	251

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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