

FR-1120

Flame Retardants®

Chemical name: Calcium borate, calcium silicate
Formula: $x\text{Ca}(\text{BO}_2)_2 \cdot x\text{CaSiO}_3$
CAS Number: 13701-64-9, 13983-17-0

General & Use:

FR-1120 is a calcium-based, borate flame retardant additive incorporated onto a silicate carrier. This product functions as an alternative synergist in halogenated flame-retarded PBT, Polyamides and Styrenics polymers based systems. It also functions as a synergist additive in low smoke, zero-halogen (LSZH) Polyolefins (PP, PE and copolymers) employing aluminum tri-hydrate and magnesium hydroxide mineral fillers.

For health & safety matters please refer to MSDS

Typical Properties:

Appearance white- off white free flowing powder

Assay, %	100
Density, g/cc	2.6
pH (10% slurry in H ₂ O)	10.1
Oil Absorption, lbs/100lbs	40.0
Moisture (Oven method, 60min @ 105°C), % wt	0.4
LOD (Oven method, 30 min @ 275°C), % wt	0.7
LOD (TGA 300°C ramped 10°C/min), %wt	0.8

Particle size, microns:

d50	6
d90	10
d100	23

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, well-ventilated area. Avoid inhalation, ingestion and bodily contact.

For more information Please Contact Us.



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

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