

## Technical Information

## ACCUREL® FR512

## Product Composition

Mixture of resorcinol bis(diphenylphosphate), PTFE anti-dripping agent and porous polycarbonate (PC).

## Physical Properties

|                   |                             |
|-------------------|-----------------------------|
| T <sub>g</sub> PC | 149 °C                      |
| Bulk density      | 350 – 450 kg/m <sup>3</sup> |
| Colour            | offwhite                    |
| Delivery form     | pellets                     |

## Application

ACCUREL® FR512 contains a halogen free flame retardant for injection molded components and profiles made from PC or PC/ABS compounds.

Depending upon the required fire rating the level of addition for ACCUREL® FR512 can be 15 – 25 %. At 15 % usage a V-0 rating UL 94 class (1.6 mm) can be achieved in PC/ABS (80/20) compounds.

ACCUREL® FR512 improves the melt flow characteristics with minimum loss of dimensional stability.

The ingredients of ACCUREL® FR512 do have low volatility and high thermal stability.

## Benefits

- halogen free flame retardant
- melt flow improvement
- reduced melt dripping
- better dimensional stability

## Dosage

ACCUREL® FR512 can be incorporated using gravimetric resp. volumetric dosing equipment or by pre-blending at the right ratio with the base resin.

The recommended level of addition for ACCUREL® FR512 is in the range of

- 15 – 25 % depending on fire rating
- 2 – 3 % improved melt flow

## Registration Status

ACCUREL® FR512 complies with REACH Regulation (EC) No 1907/2006 and its ingredients are listed / comply with the following chemical inventories:

EINECS, TSCA, DSL, IECSC, KECL

## Storage Stability

12 months after date of production under normal good storing conditions.

## Packaging

25 kg net in a cardboard box with PE inliner  
600 kg net (24 x 25 kg)

## Product Safety

For transport, handling and first aid instructions we refer to the material safety data sheet for ACCUREL® FR512.

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