

## BYK-MAX FR 4145

Dust-free, organophilic phyllosilicate formulation in an ethylene vinylacetate carrier for use as a flame-retardant synergist in halogen-free flame-retardant thermoplastic compounds.

### Product data

#### Composition

Organophilic phyllosilicate composition in an ethylene vinylacetate carrier

#### Typical properties

The values indicated in this data sheet describe typical properties and do not constitute specification limits.

MFR (190 °C, 10 kg): 2 g/10 min

Color: light brown

Delivery form: pellet

#### Storage and transportation

Store in a cool, dry, and well-ventilated location.

### Applications

#### Thermoplastics

##### Special features and benefits

BYK-MAX FR 4145 is a dust-free, organophilic phyllosilicate formulation that has been pre-dispersed in an ethylene vinylacetate carrier and is therefore very easy and safe to process. The product is particularly suitable for halogen-free, flame-retardant thermoplastic compounds as its addition improves the flame-retardant properties and, in particular, the dripping behavior and crust formation. These are significant advantages in applications that are subject to strict fire protection regulations, such as cable sheathing. Since BYK-MAX FR 4145 works as a synergist in combination with flame retardants, the amount of flame retardants added can be reduced. The flame-retardant properties are retained while the processability and mechanical properties of the compound are simultaneously improved.

##### Recommended use

Fibers	<input type="checkbox"/>
Thick films and sheets	<input checked="" type="checkbox"/>
Thin films	<input type="checkbox"/>
Extruded and blow-molding parts	<input checked="" type="checkbox"/>
Injection-molding and compression-molding parts	<input type="checkbox"/>

especially recommended    recommended

**Recommended levels**

5–15 % additive (as supplied) based on the total formulation.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

**Incorporation and processing instructions**

The additive can be added to the process via volumetric or gravimetric dosing during processing.



Your local  
contact

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