

Disflamoll® DPK

Plastic Additives / Flame Retardants

Description

Disflamoll® DPK is a highly effective flame retardant phosphate ester for PVC and other polymers.

Chemical composition

Cresyl diphenyl phosphate (CDP)

CAS Registry Number

26444-49-5

Typical properties

Appearance:	clear, almost colourless liquid
Phosphorus content:	9.1 % (calculated)
Acid value:	≤ 0.05 mg KOH/g
Water content:	≤ 0.1 %
Hazen colour value:	≤ 70
Refractive index n_D 20°C:	1.562 – 1.564
Density at 20°C:	1.205 – 1.215 g/cm ³
Viscosity at 20°C:	44 – 49 mPa·s

Storage

If stored correctly, the product has a minimum shelf life of 2 years. At lower temperatures triphenyl phosphate may crystallise. This can be dissolved again when heated up without an adverse effect on quality.

Packaging

Road tankers / containers, 1000 kg non-returnable containers, 240 kg drums.

Applications

Disflamoll® DPK is a highly effective flame retardant for flexible PVC, thermosets like phenolic, polyester and epoxy resins, PC/ABS, HIPS/PPE blends, TPU compounds, PUR- foams (rigid and flexible) and rubbers. Disflamoll® DPK offers a good plasticizing efficiency. Its flame retarding efficiency permits blending with standard plasticizers and so allowing wide flexibility for formulators.

Product safety

Relevant safety data and references as well as possibly necessary warning labels are to be found in safety data sheet.



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