

PORLAT K 90

Porosity inducing agent



Chemical basis:

Polymethyl methacrylates

Characteristics:

Appearance:	white-grey granules
Solubility:	water-insoluble
Bulk density:	approx. 600 g/l
Particle size:	1200 - 1500 µm
Softening temperature:	approx. 100 °C

Shelf-life / Packaging:

12 months if stored under proper conditions
bags of 20 kg

Application:

Porosity inducing agents are used for the targeted adjustment of pore size, pore volume and pore distribution. The naphthalene currently used sublimes at approx. 80 °C and has a negative influence on the environment, on account of its intense odour and poisonous nature.

Porosity inducing agents of the PORLAT-series, composed of polymethyl methacrylates, offer an alternative.

PORLAT K 90 possesses a characteristic odour of its own. However, dangerous decomposition products are not produced below 150 °C. De-polymerisation, whose products include the components methyl acrylate and methyl methacrylate, only occurs above 150 °C. The exhaust gases of the furnace must be passed on for secondary incineration in order to dispose of these ignitable products of de-polymerisation.

In an oxidizing atmosphere PORLAT K 90 and its decomposition products are incinerated to H₂O and CO₂ leaving no residues.

The above results have been obtained from trials in our laboratory and plant. In the light of changing conditions they can serve only as a guide and are therefore offered without obligation. We ask you to observe the possible rights of third parties.