

DISTRIBUTOR · MANUFACTURER · PROCESSOR

KOEPPcell® PE MADE BY KÖPP

Cellular polyethylene is one of the most versatile and cutting-edge cellular materials in terms of application and processing quantity. That's why we produce an enormous range of PE types including cross-linked polyethylene foams with various densities and in many colours and various degrees of softness.

KÖPP also offers electrically conductive, anti-static and fire resistant qualities of cellular polyethylene. The range includes low-density foams up to 70 kg/m³ and high density foam up to 400 kg/m³.

Technical data

- A variety of densities (from 20 kg/m³)
- Low heat conducting values (approx. 0.04 W/mK)
- High resistance to chemical corrosion
- Low fogging. Non-allergenic
- High ageing stability
- Coloured version also available
- Easy to work
- Cost-effective
- High temperature resistance

CELLULAR POLYETHYLENE + EVA

Materials

- Colours
  - black
  - white
  - silvergrey
  - anthracite
  - blue
  - green
  - yellow
  - red
  - pink
  - customized
- CN (electrically conductive)
- FR (flame-retardant)
- HFFR (self-extinguishing & halogen-free)
- A (Automotive thermoformable)
- AT (high temperatur resistant/ thermoformable/HDPE)

Areas of application:

Cellular Polyethylene · EVA · Cellular Polyethylene · EVA · Cellular Polyethylene · EVA · Cellular Polyethylene · EVA · Cellular Polyethylene · EVA · Cellular Polyethylene · EVA

KÖPP experts in foam

Experts in Foam



Headquarter (Aachen, Germany) | Production site in Bovenden (Germany) | Production site in Arinis (Romania) | Joint Venture (India) | KÖPP Locations worldwide

Founded in 1938 as a trading company, KÖPP is today the specialist for the production of cellular materials, such as polyethylene and cellular rubber. With extraordinary emphasis on quality, a high level of competence and far-reaching service orientation since the 1980s, KÖPP has grown into a company with business contacts and customers all over Europe and the world. Today we produce at two locations in Germany, as well as at one production site in Romania and a joint venture in India.

Our customers benefit from more than 80 years of experience in production and trading as well as the expertise of more than 350 employees.

We deliver:
- blocks
- sheets
- rolls

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Production site Bovenden
Göttinger Straße 44 | 37120 Bovenden | Germany

SC KOEPP ROMANIA S.R.L.
Arinis, Maramures | Romania

ROOP KOEPP FOAM Technologies Pvt. Ltd.
Manesar, Gurgaon | India

Your solutions in foam

KOEPP-26-001

MATERIAL OVERVIEW – CELLULAR POLYETHYLENE + EVA

KOEPPcell®



CELLULAR POLYETHYLENE + EVA
ZELLPOLYETHYLEN + EVA

MATERIAL OVERVIEW

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KOEPPcell® PE MADE BY KÖPP





KÖPP experts in foam



Allrounder

K/PE 25 anthracite
Dimensional stability:
≤ 4 % at +90 °C
Density:
25 ± 5 kg/m³
Compression deflection:
≤ 40 kPa (at 25 %)
≤ 110 kPa (at 50 %)
Colours: anthracite

Allrounder

K/PE 30 black
Dimensional stability:
≤ 3 % at +100 °C
Density:
30 ± 4 kg/m³
Compression deflection:
≤ 50 kPa (at 25 %)
≤ 120 kPa (at 50 %)
Colours: bk

Allrounder

K/PE 30 anthracite
Dimensional stability:
≤ 4 °C at +90 °C
Density:
30 ± 4 kg/m³
Compression deflection:
≤ 55 kPa (at 25 %)
≤ 120 kPa (at 50 %)
Colours: anthracite

Allrounder

K/PE 35 white
Dimensional stability:
≤ 5 % at +100 °C
Density:
35 ± 4 kg/m³
Compression deflection:
≤ 40 kPa (at 25 %)
≤ 100 kPa (at 50 %)
Colours: wt

Allrounder

K/PE 35 yellow
Dimensional stability:
≤ 5 % at +100 °C
Density:
35 ± 5 kg/m³
Compression deflection:
≤ 30 kPa (at 25 %)
≤ 90 kPa (at 50 %)
Colours: bl, ye, gn, rd

Allrounder

K/PE 35 blue
Dimensional stability:
≤ 5 % at +100 °C
Density:
35 ± 5 kg/m³
Compression deflection:
≤ 30 kPa (at 25 %)
≤ 90 kPa (at 50 %)
Colours: bl, ye, gn, rd

Allrounder

K/PE 35 silvergrey
Dimensional stability:
≤ 5 % at +100 °C
Density:
35 ± 5 kg/m³
Compression deflection:
≤ 50 kPa (at 25%)
≤ 110 kPa (at 50%)
Colours: silvergrey

Allrounder

K/PE 35 green
Dimensional stability:
≤ 5 % at +100 °C
Density:
35 ± 5 kg/m³
Compression deflection:
≤ 30 kPa (at 25 %)
≤ 90 kPa (at 50 %)
Colours: bl, ye, gn, rd

Allrounder

K/PE 30 black (ISCC *)
Dimensional stability:
≤ 5 % at +90 °C
Density:
30 ± 4 kg/m³
Compression deflection:
≤ 55 kPa (at 25 %)
≤ 120 kPa (at 50 %)
Colours: bk

* Made with ISCC-certified raw materials

Automotive

K/PE 30 A
Dimensional stability:
≤ 3 % at +100 °C
Density:
30 ± 4 kg/m³
Compression deflection:
≤ 40 kPa (at 25 %)
≤ 90 kPa (at 50 %)
Colours: bk

conductive

K/PE 40 CN
Dimensional stability:
≤ 4 % at +100 °C
Density:
40 ± 6 kg/m³
Compression deflection:
≤ 20 kPa (at 25 %)
≤ 60 kPa (at 50 %)
Electrical conductivity:
1 x 10⁴ to 9 x 10⁶ Ω cm
Colours: bk

high temperature resistant

K/PE 35 AT
Dimensional stability:
≤ 3 % at +115 °C
Density:
35 ± 4 kg/m³
Compression deflection:
≤ 50 kPa (at 25 %)
≤ 120 kPa (at 50 %)
Fire behaviour:
FMVSS 302
Colours: bk

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Allrounder

K/PE 45 black
Dimensional stability:
≤ 3 % at +100 °C
Density:
42 ± 4 kg/m³
Compression deflection:
≤ 50 kPa (at 25 %)
≤ 140 kPa (at 50 %)
Colours: bk

Allrounder

K/PE 45 white
Dimensional stability:
≤ 3,5 % at +100 °C
Density:
47 ± 5 kg/m³
Compression deflection:
≤ 65 kPa (at 25 %)
≤ 130 kPa (at 50 %)
Colours: wt

Allrounder

K/PE 45 pink
Dimensional stability:
≤ 5 % at +100 °C
Density:
45 ± 7 kg/m³
Compression deflection:
≤ 60 kPa (at 25 %)
≤ 140 kPa (at 50 %)
Colours: pk

Allrounder

K/PE 45 red
Dimensional stability:
≤ 5 % at +100 °C
Density:
45 ± 7 kg/m³
Compression deflection:
≤ 60 kPa (at 25 %)
≤ 140 kPa (at 50 %)
Colours: bl, ye, gn, rd

Allrounder

K/PE 45 yellow
Dimensional stability:
≤ 5 % at +100 °C
Density:
45 ± 7 kg/m³
Compression deflection:
≤ 60 kPa (at 25 %)
≤ 140 kPa (at 50 %)
Colours: bl, ye, gn, rd

Allrounder

K/PE 45 blue
Dimensional stability:
≤ 5 % at +100 °C
Density:
45 ± 7 kg/m³
Compression deflection:
≤ 60 kPa (at 25 %)
≤ 140 kPa (at 50 %)
Colours: bl, ye, gn, rd

Allrounder

K/PE 45 green
Dimensional stability:
≤ 5 % at +100 °C
Density:
45 ± 7 kg/m³
Compression deflection:
≤ 60 kPa (at 25 %)
≤ 140 kPa (at 50 %)
Colours: bl, ye, gn, rd

Allrounder

K/PE 45 silvergrey
Dimensional stability:
≤ 5 % at +100 °C
Density:
45 ± 7 kg/m³
Compression deflection:
≤ 60 kPa (at 25 %)
≤ 140 kPa (at 50 %)
Colours: silvergrey

Allrounder

K/PE 65 black
Dimensional stability:
≤ 2 % at +100 °C
Density:
65 ± 7 kg/m³
Compression deflection:
≤ 50 kPa (at 25 %)
≤ 160 kPa (at 50 %)
Colours: bk

Allrounder

K/PE 70 white
Dimensional stability:
≤ 3,5 % at +100 °C
Density:
70 ± 7 kg/m³
Compression deflection:
≤ 40 kPa (at 25 %)
≤ 120 kPa (at 50 %)
Colours: wt

Allrounder

K/PE 70 red
Dimensional stability:
≤ 3,5 % at +100 °C
Density:
70 ± 7 kg/m³
Compression deflection:
≤ 120 kPa (at 25 %)
≤ 200 kPa (at 50 %)
Colours: bl, ye, gn, rd

Allrounder

K/PE 70 blue
Dimensional stability:
≤ 3,5 % at +100 °C
Density:
70 ± 7 kg/m³
Compression deflection:
≤ 120 kPa (at 25 %)
≤ 200 kPa (at 50 %)
Colours: bl, ye, gn, rd

self-extinguishing

K/PE 35 FR
Dimensional stability:
≤ 5 % at +100 °C
Density:
35 ± 4 kg/m³
Compression deflection:
≤ 20 kPa (at 25 %)
≤ 70 kPa (at 50 %)
Fire behaviour:
UL94 HB & FMVSS 302
Colours: bk

self-extinguishing

K/PE 45 FR
Dimensional stability:
≤ 5 % at +100 °C
Density:
47 ± 7 kg/m³
Compression deflection:
≤ 40 kPa (at 25 %)
≤ 120 kPa (at 50 %)
Fire behaviour:
UL94 HB & FMVSS 302
Colours: bk

blend

EPDM/PE
Block size:
2,100 x 1,200 x 110 mm
Application temperature:
-30 °C to +100 °C (+105 °C)
Density: 80 ± 20 kg/m³
Compression deflection:
35 ± 15 kPa (at 25 %),
105 ± 25 kPa (at 50 %)
Colours: bk

blend

K/EV-EPDM 80
Block size:
2,100 x 1,200 x 110 mm
Application temperature:
-40 °C to +80 °C
Density: 80 ± 10 kg/m³
Compression deflection:
≤ 50 kPa (at 25 %),
≤ 110 kPa (at 50 %)
Colours: bk

EVA

K/EV 35 white
Dimensional stability:
≤ 5 % at +75 °C
Density:
35 ± 6 kg/m³
Compression deflection:
≤ 50 kPa (at 25 %)
≤ 120 kPa (at 50 %)
Colours: wt

EVA

K/EV 45 black
Dimensional stability:
≤ 5 % at +75 °C
Density:
45 ± 6 kg/m³
Compression deflection:
≤ 50 kPa (at 25 %)
≤ 120 kPa (at 50 %)
Colours: bk

EVA

K/EV 45 pink
Dimensional stability:
≤ 6 % at +75 °C
Density:
45 ± 7 kg/m³
Compression deflection:
≤ 50 kPa (at 25 %)
≤ 100 kPa (at 50 %)
Colours: pk

EVA

K/EV 50 black
Dimensional stability:
≤ 6 % at +75 °C
Density:
50 ± 6 kg/m³
Compression deflection:
≤ 55 kPa (at 25 %)
≤ 120 kPa (at 50 %)
Colours: bk

EVA

K/EV 100
Dimensional stability:
≤ 6 % at +75 °C
Density:
100 ± 20 kg/m³
Compression deflection:
≤ 70 kPa (at 25 %)
≤ 170 kPa (at 50 %)
Colours: bk, bl, ye, rd, gn, silvergrey, pk

EVA

K/EV 150
Dimensional stability:
≤ 5 % at +75 °C
Density:
150 ± 20 kg/m³
Compression deflection:
≤ 100 kPa (at 25 %)
≤ 240 kPa (at 50 %)
Colours: bk, bl, ye, rd, gn, silvergrey, pk

EVA

K/EV 150 colour
Dimensional stability:
≤ 5 % at +75 °C
Density:
150 ± 20 kg/m³
Compression deflection:
≤ 100 kPa (at 25 %)
≤ 240 kPa (at 50 %)
Colours: bk, bl, ye, rd, gn, silvergrey, pk

EVA

K/EV 200
Dimensional stability:
≤ 5 % at +75 °C
Density:
200 ± 20 kg/m³
Compression deflection:
≤ 180 kPa (at 25 %)
≤ 420 kPa (at 50 %)
Colours: bk, bl, ye, rd, gn, silvergrey, pk