

CELLULAR RUBBER

[illegible]

Experts in Foam



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, KOPP 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.



- **W. KÖPP GmbH & Co. KG**
Hergelsbendenstraße 20 | 52080 Aachen | Germany
Phone +49(0)241 16605-0 | E-Mail: info@koepp.de
- **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



KOEP-26-001

KÖPP
experts in foam

MATERIAL OVERVIEW - CELLULAR RUBBER

KOEPPcell®

CELLULAR RUBBER ZELLKAUTSCHUK

MATERIAL OVERVIEW



KÖPP
experts in foam

EPDM-SUW
Block size:
2,000 x 1,000 x 55 mm
2,030 x 1,370 x 55 mm
Application temperature:
-40 °C to +105 °C (+120 °C)
Density: 80 ± 15 kg/m³
Compression deflection:
30 ± 15 kPa (at 25 %),
100 ± 25 kPa (at 50 %)
Weather resistance: very good
Fire behaviour: FMVSS 302

EPDM-W
Block size:
2,000 x 1,000 x 55 mm
2,030 x 1,370 x 55 mm
Application temperature:
-40 °C to +105 °C (+120 °C)
Density: 100 ± 20 kg/m³
Compression deflection:
35 ± 15 kPa (at 25 %),
95 ± 25 kPa (at 50 %)
Weather resistance: very good
Fire behaviour: FMVSS 302

EPDM-L
Block size:
2,000 x 1,000 x 50/70 mm
2,030 x 1,370 x 50/70 mm
Application temperature:
-40 °C to +100 °C (+120 °C)
Density: 130 ± 20 kg/m³
Compression deflection:
35 ± 15 kPa (at 25 %),
120 ± 40 kPa (at 50 %)
Weather resistance: very good
Fire behaviour: FMVSS 302

EPDM-S
Block size:
2,000 x 1,000 x 50 mm
2,030 x 1,370 x 50 mm
Application temperature:
-50 °C to +110 °C (+120 °C)
Density: 175 ± 25 kg/m³
Compression deflection:
50 ± 15 kPa (at 25 %),
120 ± 40 kPa (at 50 %)
Weather resistance: very good
Fire behaviour: FMVSS 302

Allrounder

Allrounder

Allrounder

Allrounder

EPDM-65
Block size:
2,000 x 1,000 x 60 mm
Application temperature:
-50 °C to +100 °C (+110 °C)
Density: 65 ± 15 kg/m³
Compression deflection:
40 ± 15 kPa (at 25 %),
100 ± 25 kPa (at 50 %)
Weather resistance: very good
Fire behaviour: FMVSS 302

EPDM-i
Block size:
2,000 x 1,000 x 75 mm
Application temperature:
-40 °C to +100 °C
Density: 100 ± 20 kg/m³
Compression deflection:
45 ± 15 kPa (at 25 %),
110 ± 25 kPa (at 50 %)
Weather resistance: very good
Fire behaviour: FMVSS 302

EPDM-M
Block size:
2,000 x 1,000 x 77 mm
Application temperature:
-50 °C to +100 °C (+120 °C)
Density: 110 ± 20 kg/m³
Compression deflection:
50 ± 15 kPa (at 25 %),
125 ± 40 kPa (at 50 %)
Weather resistance: very good
Fire behaviour: FMVSS 302

EPDM-H
Block size:
2,000 x 1,000 x 70 mm
Application temperature:
-50 °C to +100 °C (+120 °C)
Density: 130 ± 20 kg/m³
Compression deflection:
70 ± 15 kPa (at 25 %),
160 ± 40 kPa (at 50 %)
Weather resistance: very good
Fire behaviour: FMVSS 302

Allrounder

Allrounder

Allrounder

Allrounder

EPDM-SUW perox
Block size:
2,000 x 1,000 x 55 mm
Application temperature:
-40 °C to +105 °C (+120 °C)
Density: 80 ± 15 kg/m³
Compression deflection:
30 ± 15 kPa (at 25 %),
100 ± 25 kPa (at 50 %)
Weather resistance: very good
Fire behaviour: FMVSS 302

EPDM-W perox
Block size:
2,000 x 1,000 x 50 mm
Application temperature:
-40 °C to +105 °C (+120 °C)
Density: 100 ± 20 kg/m³
Compression deflection:
35 ± 15 kPa (at 25 %),
95 ± 25 kPa (at 50 %)
Weather resistance: very good
Fire behaviour: FMVSS 302

EPDM-L perox
Block size:
2,000 x 1,000 x 50 mm
Application temperature:
-40 °C to +100 °C (+120 °C)
Density: 120 ± 20 kg/m³
Compression deflection:
35 ± 15 kPa (at 25 %),
120 ± 40 kPa (at 50 %)
Weather resistance: very good
Fire behaviour: FMVSS 302

EPDM-S perox
Block size:
2,000 x 1,000 x 50 mm
Application temperature:
-50 °C to +110 °C (+120 °C)
Density: 165 ± 20 kg/m³
Compression deflection:
50 ± 15 kPa (at 25 %),
120 ± 40 kPa (at 50 %)
Weather resistance: very good
Fire behaviour: FMVSS 302

sulfur free

sulfur free

sulfur free

sulfur free

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high temperature resistant

EPDM-SUW HT
Block size:
2,000 x 1,000 x 55 mm
Application temperature:
-50 °C to +130 °C (+145 °C)
Density: 80 ± 15 kg/m³
Compression deflection:
30 ± 15 kPa (at 25 %),
100 ± 25 kPa (at 50 %)
Weather resistance: very good
Fire behaviour: FMVSS 302

high temperature resistant

EPDM-S HT
Block size:
2,000 x 1,000 x 50 mm
Application temperature:
-50 °C to +140 °C (150 °C)
Density: 175 ± 25 kg/m³
Compression deflection:
50 ± 15 kPa (at 25 %),
120 ± 40 kPa (at 50 %)
Weather resistance: very good
Fire behaviour: FMVSS 302

firm

EPDM-W F
Block size:
2,000 x 1,000 x 70 mm
Application temperature:
-40 °C to +105 °C (+120 °C)
Density: 110 ± 20 kg/m³
Compression deflection:
50 ± 15 kPa (at 25 %),
130 ± 30 kPa (at 50 %)
Weather resistance: very good
Fire behaviour: FMVSS 302

firm

EPDM-S F
Block size:
2,000 x 1,000 x 50 mm
Application temperature:
-50 °C to +110 °C (+120 °C)
Density: 240 ± 20 kg/m³
Compression deflection:
120 ± 30 kPa (at 25 %),
300 ± 40 kPa (at 50 %)
Weather resistance: very good
Fire behaviour: FMVSS 302

semi-open cell

EPDM-SC-W
Block size:
2,000 x 1,000 x 50 mm
Application temperature:
-40 °C to +100 °C (+120 °C)
Density: 100 ± 15 kg/m³
Compression deflection:
2 ± 1 kPa (at 25 %),
3,5 ± 1,5 kPa (at 50 %)
Weather resistance: very good
Fire behaviour: FMVSS 302

semi-open cell

EPDM-1000
Block size:
2,000 x 1,000 x 82 mm
Application temperature:
-40 °C to +110 °C
Density: 95 ± 20 kg/m³
Compression deflection:
≤ 4 kPa (at 25%),
≤ 7 kPa (at 50%)
Weather resistance: very good
Fire behaviour: FMVSS 302

semi-open cell

EPDM-2070
Block size:
2,000 x 1,000 x 62 mm
Application temperature:
-45 °C to +120 °C
Density: 70 ± 15 kg/m³
Compression deflection:
≤ 3 kPa (at 25%),
≤ 4 kPa (at 50%)
Weather resistance: very good
Fire behaviour: FMVSS 302

semi-open cell

EPDM-2100
Block size:
2,000 x 1,000 x 56 mm
Application temperature:
-45 °C to +120 °C
Density: 100 ± 15 kg/m³
Compression deflection:
≤ 4 kPa (at 25%),
≤ 5 kPa (at 50%)
Weather resistance: very good
Fire behaviour: FMVSS 302

semi-open cell

EPDM-2130
Block size:
1,000 x 2,000 x 45 mm
Application temperature:
-45 °C to +120 °C
Density: 130 ± 20 kg/m³
Compression deflection:
≤ 6 kPa (at 25%)
Weather resistance: very good
Fire behaviour: FMVSS 302

Bio-Allrounder

Bio EPDM-L
Block size:
2,000 x 1,000 x 50/70 mm
Application temperature:
-40 °C to 100 °C (120 °C)
Density: 130 ± 20 kg/m³
Compression deflection:
35 ± 15 kPa (at 25 %)
Weather resistance: very good
Fire behaviour: FMVSS 302

low emission

EPDM-S LE
Block size:
2,000 x 1,000 x 50 mm
Application temperature:
-50 °C to +110 °C
Density: 175 ± 25 kg/m³
Compression deflection:
60 ± 15 kPa (at 25 %),
140 ± 40 kPa (at 50 %)
Weather resistance: very good
Fire behaviour: FMVSS 302

EPDM-X
Customized cellular rubber according to your specification!

blend

EPDM/SBR S
Block size:
2,000 x 1,000 x 50 mm
Application temperature:
-40 °C to +90 °C (+110 °C)
Density: 175 ± 25 kg/m³
Compression deflection:
70 ± 20 kPa (at 25 %),
175 ± 45 kPa (at 50 %)
Weather resistance: very good
Fire behaviour: FMVSS 302

self-extinguishing sulfur free

CR-M
Block size:
2,000 x 1,000 x 50 mm
Application temperature:
-30 °C to +100 °C (+115 °C)
Density: 130 ± 20 kg/m³
Compression deflection:
55 ± 15 kPa (at 25 %)
Weather resistance: limited
Fire behaviour: UL94 V-0, EN 45545

self-extinguishing sulfur free

CR-F firm
Block size:
2,000 x 1,000 x 50 mm
Application temperature:
-30 °C to +100 °C (+115 °C)
Density: 150 ± 20 kg/m³
Compression deflection:
80 ± 20 kPa (at 25 %)
Weather resistance: limited
Fire behaviour: UL94 V-0

self-extinguishing sulfur free

CR-H
Block size:
1,850 x 1,000 x 50 mm
Application temperature:
-30 °C to +100 °C (+115 °C)
Density: 160 ± 20 kg/m³
Compression deflection:
75 ± 25 kPa (at 25 %)
Weather resistance: limited
Fire behaviour: UL94 V-0

blend

EPDM/CR-L
Block size:
2,000 x 1,000 x 70 mm
Application temperature:
-40 °C to +100 °C (+120 °C)
Density: 120 ± 20 kg/m³
Compression deflection:
40 ± 10 kPa (at 25 %),
120 ± 40 kPa (at 50 %)
Weather resistance: very good
Fire behaviour: UL94 HBF

blend

EPDM/CR-S
Block size:
2,000 x 1,000 x 50 mm
Application temperature:
-40 °C to +100 °C (+120 °C)
Density: 175 ± 25 kg/m³
Compression deflection:
45 ± 15 kPa (at 25 %),
120 ± 40 kPa (at 50 %)
Weather resistance: very good
Fire behaviour: UL94 HB

self-extinguishing halogen-free

EPDM-W HFFR
Block size:
2,000 x 1,000 x 50 mm
Application temperature:
-40 °C to +100 °C (+120 °C)
Density: 100 ± 20 kg/m³
Compression deflection:
35 ± 15 kPa (at 25 %),
120 ± 40 kPa (at 50 %)
Weather resistance: very good
Fire behaviour: FMVSS 302 / self-extinguishing

self-extinguishing halogen-free

EPDM-S HFFR
Block size:
2,000 x 1,000 x 50 mm
Application temperature:
-50 °C to +110 °C (+120 °C)
Density: 175 ± 25 kg/m³
Compression deflection:
50 ± 15 kPa (at 25 %),
120 ± 40 kPa (at 50 %)
Weather resistance: very good
Fire behaviour: FMVSS 302 / self-extinguishing

oil resistant

NBR-L
Block size:
2,000 x 1,000 x 50 mm
Application temperature:
-40 °C to 90 °C (110 °C)
Density: 130 ± 20 kg/m³
Compression deflection:
50 ± 15 kPa (at 25 %)
Oil resistance: good
Fire behaviour: FMVSS 302

highly elastic

NR-L medium
Block size:
2,000 x 1,000 x 50 mm
Application temperature:
-30 °C to +70 °C (+90 °C)
Density: 165 ± 35 kg/m³
Compression deflection:
50 ± 15 kPa (at 25 %),
1360 ± 30 kPa (at 50 %)
Weather resistance: limited
Fire behaviour: FMVSS 302

highly elastic

NR-S firm
Block size:
2,000 x 1,000 x 50 mm
Application temperature:
-30 °C to +80 °C (+90 °C)
Density: 190 ± 20 kg/m³
Compression deflection:
75 ± 15 kPa (at 25 %),
140 ± 20 kPa (at 50 %)
Weather resistance: limited
Fire behaviour: FMVSS 302

highly elastic

NR-S extra firm
Block size:
2,000 x 1,000 x 50 mm
Application temperature:
-30 °C to +80 °C (+90 °C)
Density: 240 ± 20 kg/m³
Compression deflection:
80 ± 20 kPa (at 25 %),
195 ± 25 kPa (at 50 %)
Weather resistance: limited
Fire behaviour: FMVSS 302