



CELLO® GASKETS AND SEALS

Cello® gaskets and sealing products are made from PVC, EPDM, PE, CR OR NBR.

Applications: Machine and industrial plant construction, construction machinery, utility vehicles, buses, rail vehicles, switch cabinets, doors, windows, sheet fabricating industry, tool manufacture, air conditioning systems



TECHNICAL DATA

PRODUCT	DENSITY [kg/m ³] ISO 845	TEMPERATURE RESISTANCE	HARDNESS SHORE 00	REMARKS / NOTES
EPDM	60-85	-40°C to +130°C max. +150°C	26-28	<ul style="list-style-type: none"> ▶ Closed-cell ▶ Excellent temperature resistance ▶ High resistance against hot water and steam ▶ Very good chemical resistance, e.g. against alcohols, ketones (e.g. acetone), ester and glycols
EPDM W	100 ± 20	-40°C to +105°C (+120°C)	19-31	<ul style="list-style-type: none"> ▶ Closed-cell ▶ Very good weathering resistance ▶ Very good chemical resistance ▶ Compared to other Cello® EPDM materials very fine-pored structure
EPDM HD	85-115	-40°C to +120°C	30-45	<ul style="list-style-type: none"> ▶ Closed-cell ▶ Same base material as for Cello® SEAL EPDM, but with higher density, giving the product better deformation resilience and a high ultimate tensile strength ▶ EPDM is generally inert and prevents the growth of fungus, mildew and algae
EPDM FL	95	-40°C to +135°C (180°C)	not definable	<ul style="list-style-type: none"> ▶ Semi-closed: The material, which is commonly used in the automotive industry, combines the flexibility (FL) of an open-cell foam with the impermeability of closed-cell foams ▶ Good sound absorption effectiveness ▶ Impermeability assured only for a compression of 70% or higher
NBR	40-70	-45°C to +85°C max. +110°C	31	<ul style="list-style-type: none"> ▶ Closed-cell ▶ For all areas where the materials are susceptible to get into contact with oils, e.g. motor oil ▶ Exceptionally hard-wearing, extremely resistant against deformation
CR HD	175 ± 25	-40°C to +100°C	40-55	<ul style="list-style-type: none"> ▶ Closed-cell ▶ High mechanical resistance ▶ Good weathering resistance, good resistance against oil and chemicals ▶ Not available as rolls
PE	28	-50°C to +100°C	50	<ul style="list-style-type: none"> ▶ Closed-cell, cross-linked ▶ Compared to all other materials, very fine-pored structure for minimized water absorption ▶ Resistance against extremely low temperatures
PVC	120	-30°C to +70°C	31	<ul style="list-style-type: none"> ▶ Closed-cell ▶ Very good resistance against chemicals, in particular against most acids and bases ▶ Excellent aging stability and exceptional weathering resistance ▶ Suitable for electrical insulation purposes

ADVICE

- ▶ The materials are available without or with a self-adhesive layer on one or both faces
- ▶ Roll widths from 5 to 1000 mm
- ▶ Materials with self-adhesive layers offer a temperature resistance of max. 100°C in the bond line
- ▶ Under thermal load, the material may shrink by up to 5%

MORE INFORMATION

For more information, please consult our "Sealing products" folder or contact the Cellofoam sales representative in your area or our sales back-office in Biberach.

Details and options for our sealing products are also available at www.cellofoam.de