



## PRODUCT INFORMATION

# CO<sub>2</sub>-REDUCED EPDM RUBBER SHEET GREEN EVO STAR

### BENEFITS

STEFFCA's CO<sub>2</sub>-reduced EPDM rubber sheet is produced with 35% less CO<sub>2</sub> footprint.

Green Evo STAR consists of 70% bio renewable material while retaining the same properties as conventional EPDM. The rubber sheet is therefore resistant to heat, weather, ozone and ultraviolet light.

The sheet even have a better tensile strength and elongation at break compared to conventional EPDM.

Green Evo Star meets all relevant EU regulations and is of course already on stock in sizes 3 and 6 mm. Other sizes available on request.

### SPECIFICATION

Hardness (shore A) / ISO 7619-1	65 ± 5
Thickness	1 - 10 mm
Width	1.400 mm
Length	5.000 - 20.000 mm
Tensile Strength / ISO 37 type 2	9 N/mm <sup>2</sup>
Elongation at Break / ISO 37 type 2	450%

### MATERIAL

- EPDM rubber - black
- The rubber is PAH free (Cat. 2)
- Nitrosamine free curing system
- Significantly reduced zinc oxide level (<1%)

### APPLICATION

Green Evo Star can be widely used in many different industry applications – wherever sealing is required, e.g: Automotive, Transportation, Construction, Infrastructure, Electronics, Mining, Aeronautics, Marine, Hydropower energy sector, Tire, Tubing, Consumer goods

Density / ISO 1183-1	~1,23 g/cm <sup>3</sup>
Tear Resistance / ISO 34-1 Meth C	30 N/mm
FMVSS ≥ 2mm thickness / ISO 3795	≤ 80 mm/min

Correspond to WDK-guideline 2201 : 2020-10 "Quality characteristics of Elastomer sheets- and plates"

**To be continued.....**



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SPECIFICATION

Working temperature - air	-30°C / +100 °C Peak +120°C
<b>Compression set</b> Duration 22 h DIN ISO 815	70°C CS 35%
<b>Ozone resistance</b> Duration 48 h ISO 1431-1	200 pphm ozon 40°C 0 - no cracks
<b>Ageing</b> Conditions: 70 h/100°C ISO 188	10 shore A hardness 15% strength 30% elongation

Weather resistance	Good resistant
Ozone resistance	Good resistant
Strong bases resistance	Good resistant
UV resistance	Good resistant
Acid resistance	Resistant
Abrasion resistance	Non resistant
Fuel resistance	Non resistant
Oil resistance	Non resistant
Approvals	EU 1272/2013 ISO 9001:2015, ISO 45001:2018, ISO 48-4