

PRODUCT INFORMATION

EPDM 50 SHA RUBBER SHEET E4580

BENEFITS

EPDM E4580 is a high-grade rubber sheet with good resistance to ozone, strong bases and weathering in general.

The rubber sheet is SVHC free.

SPECIFICATION

Hardness Shore A ISO 7619-1	50 ShA +/-5
Density ISO 1183-1	~1,04 g/cm ³
Tensile Strength ISO 37 type 2	8 N/mm ²
Elongation at Break ISO 37 type 2	500%
Thickness range	1.0 - 40.0 mm
Width	1.400 mm
Length range Depending on thickness	5.000 - 20.000 mm

MATERIAL

- EPDM, black, sulphur crosslinked.

STABILITIES

- Ozone resistance: good resistant
- Weather resistance: good resistant
- Strong bases: good resistant
- Oil resistance: non resistant
- Fuel resistance: non resistant
- Acid resistance: resistant
- Abrasion resistance: moderately resistant

Temperature range - Air dyn. (stat.)	-40°C (-50°C) to 100°C Peak 120°C
Temperature range - Water	110°C Peak 130°C
Compression set DIN ISO 815 22 hours at 70°C 22 hours at 100°C	25% 45%
Ozone resistance ISO 1431-1 48 hours at 40°C 200 pphm	(no cracks)
Ageing ISO 188 70 hours at 100°C	5 ShA Hardness 10% Strength 30% Elongation

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