

CENTELLEN® WS 3820



UNIVERSAL SEALING SHEET FOR USE WITH MEDIUM TEMPERATURE (DIN 28091 FA-A1-0)

TECHNICAL CHARACTERISTICS

CENTELLEN® WS 3820 is produced according to the calander process. It consists of aramide fibres as well as inorganic reinforcement materials and contains NBR rubber as a bonding agent. The sheets are given a thin anti-adhesive surface during production. The chemical properties are not affected by this process. CENTELLEN® WS 3820 is our universal grade and can substitute IT-400, It-Ö or It-C. WS 3820 has high mechanical resistance values. The gas tightness fulfills the requirements for seals in the gas supply industry.

CHEMICAL RESISTANCE

Resistant to

- Hydrocarbons such as oil or solvents,
- Alcohols, glycols, aqueous solutions, water and steam up to 200°C possible, over 200°C please clarify the parameter of application with the manufacturer
- Weak alkaline solutions and organic acids
- Ammoniac UN 1005

Partially resistant to

- Ketones and esters
- Chlorinated solvents
- Strong alkaline solutions and inorganic acids

Not resistant to

- Hydrofluoric acid and concentrated nitric acid

RELEASES



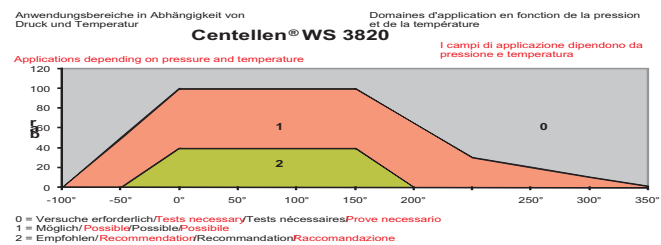
STANDARD VERSION

Green-green
Anti-adhesive coating OBG2

Standard delivery formats 1000 x 1500 mm
1500 x 1500 mm
1500 x 3000 mm

Other formats on enquiry
Thickness 0,3 up to 6 mm

APPLICATIONS DEPENDING ON PRESSURE AND TEMPERATURE



TECHNICAL DATA (2 mm)

	VALUE	UNIT	NORM
Density	1,8	g/cm ³	DIN 28090 (2)
Cold heading value (KSW)	8,0	%	DIN 28090 (2)
Cold resilience value (KRW)	4,0	%	DIN 28090 (2)
Warm setting value (WSW)	25,4	%	DIN 28090 (2)
Warm resilience value (WRW)	3,2	%	DIN 28090 (2)
Spec. leakage rate	0,02	mg/s*m	DIN 28090 (2)
Gas tightness	0,5	cm ³ /min	DIN 3745
	0,8	cm ³ /min	DIN 3535/6
Compressive strength (16h, 175°C)	30	N/mm ²	DIN 52913
Compressive strength (16h, 300°C)	25	N/mm ²	DIN 52913
Tensile strength transverse	11	N/mm ²	DIN 52910
Max. surface pressure (gas/liquides)	20 / 10	N/mm ²	DIN 28090
Max. surface pressure (23°C, 200°C, 250°C)	> 90 / 55 / 30	N/mm ²	DIN 28090
Min. temperature	- 200	°C	
Max. operating temperature	250	°C	
Max. temperature (temporary)	400	°C	
Max. pressure	100	bar	

