



Material data sheet

H-NBR - green

Hydrated nitrile butadiene rubber
suitable for higher temperatures.

H-NBR is resistant to ozone and many additives, oil, petrol, hot water, hot air, ozone, crude oil

<i>Properties</i>	<i>Condition</i>	<i>Standard</i>	<i>Unit</i>			
Colour				green		
Hardness	23°C	ISO 868	Shore A	85+/-5	Shore A	85+/-5
Modulus 100%	23°C	DIN 53 504	MPa	10	Psi	1450
Tensile strength	23°C	DIN 53 504	MPa	20	Psi	2900
Elongation at break	23°C	DIN 53 504	%	190	%	190
Tear strength	23°C	DIN ISO 34-1	kN/m	15	Lbf/inch	85
Spec. Gravity	23°C	ISO 1183	kg/m³	1320	g/cm³	1,32
Abrasion	23°C	DIN 53 516	mm³	135	mm³	135
Compression set	*	ISO 815	%	12	%	12
Compression set	**	ISO 815	%	14	%	14
Compression set	***	ISO 815	%	22	%	22
Minimum service temperature			°C	-20	°F	-4
Maximum service temperature			°C	150	°F	302
Temp maximum water steam			°C	120	°F	248
Temp maximum hot air			°C	180 short	°F	356 short
*24h 70°C 25% deflection	**24h 100°C 25% deflection			***24h 150°C 25% deflection		

All above stated data results from random tests which were taken from the ongoing production. All data was established based on standard test-products according to ISO, DIN and ASTM standards and can basically not be carried over to the completed seal.

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