

## Material test report HNBR 90

Colour Black

Property	Unit	Test method	Test parameter	Value
Hardness	IRHD	ASTM D 1415		90 ±5
Tensile strength	MPa	ASTM D 412		20,6
Ultimate elongation	%	ASTM D 412		165
Specific gravity	g/cm <sup>3</sup>	ASTM D297		1,28
Compression set	%	ASTM D 395 B	22h / 150°C	21

### Changes of properties after ageing

Medium	test method	Time	Temperatuur	Hardness	Tensile strength	Ultimate elongation	Volume
		<b>H</b>	<b>°C</b>	<b>Points</b>	<b>%</b>	<b>%</b>	<b>%</b>
Air	ASTM D 573	70	150	+4	+2	-24	
ASTM IRM oil 901	ASTM D 471	70	150	+2	+1	-10	-2
ASTM IRM oil 903	ASTM D 471	70	150	-5	-7	-9	+12

The above indicated data were determined to the best knowledge according to modern laboratory standards on standardised test specimen. If these data are compared with data which were determined on finished parts it may come to variations.