



## Material Data Sheet

# PLMRUBBER-HN85 Black

### General Information

PLMRUBBER-HN85 Black is polymer, based on Polybutadiene and acrylonitrile .

Main application: Pneumatic seals, oil seals.

Resistant to: Oily air, Lubricating oil, high temperature resistant oil and wear resistance .

Not resistant to: aromatic solvents, ozone

### Physical properties

Colour:			Black
Hardness:	DIN ISO 7619 (3 sec)	Shore A	85±5
Density:	DIN EN ISO 1183-1	g/cm <sup>3</sup>	NA
100% Modulus 100%:	DIN 53504	N/mm <sup>2</sup>	≥10
Tensile strength:	DIN 53504	N/mm <sup>2</sup>	≥18
Elongation at break:	DIN 53504	%	≥200
Tear strength:	DIN ISO 34-1	N/mm	≥30
Compression set : 72h/120°C	DIN ISO 815	%	≤30
Compression set : 22h/100°C	DIN ISO 815	%	≤20
Abrasion :	DIN ISO 4649	mm <sup>3</sup>	≤90
Min.service temperature:	ISO 11357-2	°C	-30
Max.service temperature:	ISO 11357-2	°C	150

### Remark

All test methods and values mentioned above are corresponding to ISO or DIN standards and have been tested on standardized plates in the laboratory. All tests are made under laboratory conditions.

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