



DATA & SPECIFICATION DATASHEET OZ HNBR

Features



- Hydrogenated acrylonitrile butadiene rubber
- Suitable for applications involving aliphatic hydrocarbons such as fuel, propane, butane, mineral oils and greases
- May be used in diluted acids, alkalis and salt solutions

PROPERTIES	STANDARD	UNIT	VALUE
Hardness	DIN 53505	Shore A	87 ± 3
Density	DIN 53479	g/cm ³	1.23
Tensile strength	DIN 53504	MPa	20
Elongation at break	DIN 53504	%	300
Stress ratio 100%	DIN 53504	N/mm ²	12.5
COMPRESSION SET			
70h/100°C	ASTM D 395B	%	21
Tear strength	DIN 53507	N/mm	33
Abrasion	DIN 53516	mm ²	110
Min. application temp		°C	-35
Max application temp		°C	150
IMMERSION IN ASTM OIL #3 OIL acc to DIN 53521 70h 100°C			
Shore hardness change	DIN 53505	Shore A	+5
Volume change	DIN 53521	%	+15
Tensile strength change			-10
Elongation change			± 25
IMMERSION IN AIR 168h 150°C			
Shore hardness change	DIN 53505	Shore A	5
Volume change	DIN 53521	%	0
IMMERSION IN WATER 70h 100°C			
Shore hardness change	DIN 53505	Shore A	0
Volume change	DIN 53521	%	+2.5