

RHONDAMA LIMITED H-NBR

H-NBR Hardness 85° Shore A Green

Highly saturated nitrile butadiene rubber

Mechanical, physical and thermal properties

Properties	Condition	Standard	Unit			
Colour				Green		Green
Hardness	23°C	ISO 868	Shore A	85±5	Shore A	85±5
Modulus 100%	23°C	DIN 53 504	MPa	≥15	Psi	≥2175
Tensile strength	23°C	DIN 53 504	MPa	≥20	Psi	≥2900
Elongation at break	23°C	DIN 53 504	%	≥200	%	≥200
Tear strength	23°C	DIN 53 515	kN/m	≥30	Ibf/inch	≥170
Spec. gravity	23°C	ISO 1183	Kg/m ³	1320	g/cm ³	1,32
Abrasion	23°C	DIN 53 516	mm ³	130	mm ³	130
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
* 24 h 70°C 25% deflection ** 24h 100°C 25% deflection *** 24h 150°C 25% deflection						

Chemical Properties

Copolymer, based on butadiene and acrylonitrile

Resistant to: oil, petrol, hot water, hot air, ozone, crude oil

Not resistant to: conc. acids, conc. lyes, polare solvents

Detailed information concerning chemical resistance see Rhondama Compatibility Chart