

You have to select the sealing materials for their applications and operating conditions.

Code	01-07 <sup>*)</sup>	10	20	30	40
<b>Material</b>	Acrylonitrile-butadienecopolymer	silicone rubber	Polyurethan	Chlorsulfonated Polyethylene	Butyl rubber
<b>Code designation</b>	(NBR)	(VMQ)	(AU)	(CSM)	(IIR)
<b>Commercial name</b>	Perbunan N <sup>®</sup>	Silopren <sup>®</sup>	Vulkollan <sup>®</sup>	Hypalon <sup>®</sup>	Polysar Butyl <sup>®</sup>
<b>General characteristics</b>	Good mechanical properties	Moderate mechanical properties, high temperature strength, low temperature stability, ageing stability	Best mechanical properties	Good mechanical properties	Moderate mechanical properties
<b>Good resistance to</b>	Execution in black for gases, oils, fats, alcohol, cold water, fuels, steam Execution in white for food	Preferably for dry media, chemicals, ozone	all solids, gases, ozone, oil (to 40°C)	Steam, acids, oil (qualified), ozone	Acids, oxygen, steam, ozone, chemicals
<b>Not suitable for</b>	Solvent, ozone	Moisture media, fuels, oils	Solvents, water	Hydrocarbons	oil, fuel
<b>Min. Temp.</b>	- 15 °C	- 60 °C	- 20 °C	- 20 °C	- 20 °C
<b>Max.Temp.</b>	+ 100 °C	+ 180 °C	+ 80 °C	+ 140 °C	+ 120 °C

Code	50	60	70	80	90
<b>Material</b>	Fluro rubber	Polytetrafluoro	Ethylene propylene rubber	Graphite	Graphite
<b>Code designation</b>	(FPM)	(PTFE)	(EPDM)		
<b>Commercial name</b>	Viton <sup>®</sup>	Teflon <sup>®</sup>	Buna EP <sup>®</sup> , Keltan <sup>®</sup>	127 AFP	2091
<b>General characteristics</b>	Good mechanical properties	Best mechanical properties	Good mechanical properties	High heat compressive strength and sealing properties	High heat compressive strength and sealing properties
<b>Good resistance to</b>	Acids, oils, fuel, steam, gas, solvent, ozone, oxygen	Solvent, acids, oils, fuels, chemicals	Steam to 140°C, ozone, oxygen, sea, water, chemicals, acids	Oils, solvents, air, exhaust gases, steam, weak acids and caustic solutions	Acids, caustic solutions, gases, oils, solvent, steam, water
<b>Not suitable for</b>	Acetates, chlorine, acetic acid, ethyls, ammonia	Flurogas, alkali solutions	Oils, fuels, fats	Oxygen	-
<b>Min. Temp.</b>	- 20 °C	- 40 °C	- 30 °C	- 40 °C	- 240 °C
<b>Max. Temp.</b>	+ 180 °C	+ 210 °C	+ 130 °C	+ 455 °C	+ 650 °C

<sup>\*)</sup>Code no.: **01-07**

**01** NBR - HL 51 60 ws (white) - Quality: food-genuinely

**02** NBR- HP 60 sw (black)

Different sealing materials on request.

All data's are without guarantee.

All rights to change reserved.

**05** NBR - DVGW PP6DZZ

**07** NBR - HP 60-120 °C