

Rubber hose

Data for general properties and resistance



Properties	NBR			EPDM/EPM	PUR	FPM/FKM	NR	CR	SBR	BIIR	BR	UPE
Temperature range	- 40°C up to + 120°C			- 45°C up to + 140°C	- 30°C up to + 90°C	- 40°C up to + 220°C	- 50°C up to + 80°C	- 40°C up to + 110°C	- 50°C up to + 100°C	- 40°C up to + 130°C	- 60°C up to + 100°C	- 50°C up to + 90°C
Hardness range of Shore A	40 - 95			40 - 90	50 A - 75 D	50 - 90	30 - 90	40 - 85	40 - 90	40 - 70	30 - 90	-
Flame resistance	D			D	E	B	D	B	D	E	D	E
Electrical isolation	E			A	B	D	B	C	B	B	B	B
Strength	B			C	C	D	A	B	B	C	D	D
Resiliency	C			B	B	D	A	B	B	B	B	B
Abrasion	C			C	A	D	B	B	B	E	B	D
UV-Radiation	C			A	A	A	C	B	C	B	C	B
Ozone	C			A	A	A	D	B	D	B	C	B
Mineral oils and fats	A			E	B	A	E	B	E	E	E	B (to 60°C)
Animal and vegetable oils and fats	A			B	B	A	D	B	D	E	E	B
Acids	C			B	D	A	C	B	C	B	C	A
Alkali	C			B	D	A	C	B	C	B	C	A
Gasoline / Petrol	A			E	C	A	E	C	E	E	E	B
Hot water	C			B	E	C	C	C	C	A	C	C
Alcohol	E			A	D	A	B	D	B	A	B	A
Colour marking according EN 12115:2011	NBR1*	NBR2*	NBR3*	Purple	-	Green and White	no colour recommended	-	-	Purple	-	Blue and White
	Yellow	Blue	White									
Special properties	- Mineral oil products, fats, fuels, hydrocarbon, gases, inorganic acids with lower concentration and temperature			- Resistant to heat, steam, ozone, ageing, UV and chemicals	- Flexible, high mechanical strength, resistant to abrasion	- Excellent chemical and thermal resistance to oils and solvents	- Flexible and resistant to abrasion	- Resistant to chemicals, ageing, ozone, weather, seawater, animal and vegetable fats	- Resistant to air containing oil, water, glycol, permanent deformation, freon and brake fluid	- Resistant to deformation, acids, alkali and high attenuation	- Average resistance to seawater, acids and bases	- Resistant to chemicals and oxidation
	- Good gas and air permeability											
	* NBR1: Hoses for mineral oil products to 50 % aromatics											
	* NBR2: Hoses for aromatics and chlorinated hydrocarbon and solvents											
	* NBR3: Hoses for fatty foods											

A = Excellent resistance
 B = Good resistance
 C = Regular resistance
 D = Sufficient resistance
 E = Bad / No resistance

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We are certified to DIN EN ISO 9001 : 2000 – Certificate-Register-No. 0410019960595

