Materials |Elastomers

elastomers for OR-Rings, composite seals and lip seals

Click compound's code to download the .PDF data sheet. Registration required.

EIASTOMER ISO 1629	HARDNESS Sh.A	TEMPERATURE RANGE °C	HD Slippers compound	Food Approvals	Applications
Butadiene-Nitrile NBR	50 60 70 75 80 85 90	-20 +110 -20 +110 -20 +110 -20 +110 -20 +110 -25 +100 -10 +110	N50-N050 N60-N045 N70-N003 N75-N011 N80-N046 N85-N116 N90-N047		Hydraulic oil, water up to 90°C, air up to 100°C, non-aromatic hydrocarbons, glycol and water/glycol mixtures
	70 75	-20 +110	N70-N049 N70-N028		As above along with a very low Compression Set. For non dynamic use only
	70 60	-30 +100 -40 +110	N70-N041 N60-N045		Ample temperature resistance range and very low Compression Set
	75	-20 +110	N75-N108		Hydraulic oil, water up to 90°C, air up to 100°C, non-aromatic hydrocarbons, glycol and water/glycol mixtures when anti-adhesive properties are requested
	85	-22 + 100	N85-B115	**FDA**	FDA approved for food processing, pharmaceuticals and cosmetics
Nitrile-Butadieneldrogenato HNBR	70 85	-25 +150 -25 +150	H70-N040 H85-N120		An even greater chemical resistance range in comparison to the normal NBR
	90 90	-40 +150 -20 +150	H90-N206 H90-N207	**NORSOK**	Resistance to explosive decompression
Polyurethane AU	95	-40 +100	P95-N027		Thermoplastic Wear and hydraulic oil resistant, suitable for very high pressures
Fluoroelastomer FPM	70 75 90	-17 +230 -17 +230 -17 +230	V70-N006 V75-N037 V90-N010		High temperatures, aggressive chemicals, hydrocarbons, petrol, phosphoric esters, chlorinated hydrocarbons, high vacuum
	75	-17 +230	V75-N068		As above along with an improved resistance to aliphatic and aromatic hydrocarbons and ketones
	75	-35 +230	V75-N078		Low temperatures, methane and LPG
	85 85	-15 +210 -20 +210	V85-N137 V85-M178		Brake fluids, Sour Gas, Acids, Hydraulic oil and oils with aminic additives
Perfluorated FFKM	70	-10 +300	VF70-N132		Amines and aromatic solvents at high temperature
	75	-10 +260 -10 +330	VF75-N122 VF75-N123		Resistant to most chemical agents and steam
	75 85	-10 +260	VF75-B130 V85-M152	**FDA**	Food and Drug
	90	-10 +250	VF90-N124		Resistant to most chemical agents, steam and explosive decompression

Propylene-Ethylene EPDM	70 80	-50 +150 -50 +150	E70-N052 E80-N053		Brake fluid, Phosphoric esters, diluted alkali, ketones, alcohols, water and steam up to 150°C
	85	-50 +130	E85-N118		Phosphoric esters, diluted alkali, ketones, alcohols,vine, water and steam up to 150°C
	70 85	-50 +150 -50 +100	E70-N110 E85-B134	**FDA** **FDA**	Food and Drugs
	85	-45 +120	E85-N219	**KTW**	Drinkable Water
Chloroprene CR	70	-50 +150	C70-N054		Refrigerant gases, oils with a high aniline point, optimum resistance to atmospherical agents
Silicone MVQ	70	-65 +230	S70-R030		Extreme temperatures, air and gas, oils with a high aniline point
	70 85	-50 +200 -55 +210	S70-R159 S85-R119	**FDA** **FDA**	Extreme temperatures, air and gas. Food and Drugs, FDA 177.2600
Fluoro-Silicone MFQ	70	-65 +175	L70-A048		Ample resistance to temperature, hydraulic oil, skydrol, hydrocarbons and gases

Non Standard Compounds and/or colors available on demand