

DECOVAL		ELASTOMERS TABLE				Document No:		REVISION			
						Date: 06-06-2019		07			
MATERIAL	DCV CODE	MANUFACTURER CODE	DENOMINATION ISO 1629		DENOMINATION CHEMICAL	APPLICATION	WORKING CONDITIONS		DECOVAL MARK		
							MWT. °C intermittent	MWP. bar	LETT ER/S	PAINTING MARK	
EPDM	E	EPDM-008 / 1	EPDM	-	Ethylene-Propylene Terpolymer	Weak mineral acids and basis Air, water ketones, esters	-20 +95	16	E	-	
WHITE EPDM FOOD	EB	EPDM-014 (FDA)		W		FDA approval, Regulation (EC) 1935/2004		(☞)10 or 6	E	-	
EPDM-HT	EC	EPDM - 021		HT		High temperature resistance	-20 +130	16	EC	-	
EPDM DRINKING WATER	EE	EPDM-018		F		Drinking water service	-20 +95	16	EE	-	
EPDM HT DRINKING WATER	EEC	EPDM-019		FT		Drinking water service High Temperature	-20 +130	16	EE	GREY	
NITRILE	N	NBR-004 / 2	NBR	-	Acrylonitrile-Butadiene Copolymer	Oils, Greases, Fuel, Gas oil CO <sub>2</sub> , CO, H <sub>2</sub>	-10 +100	16	N	-	
WHITE NITRILE FOOD	NB	NBR-001 (FDA)		W		FDA approval, Regulation (EC) 1935/2004		(☞)10 or 6	N	-	
NITRILE CARBOX.	NC	NBR - 005		X		Abrasion resistance	10	NC	-		
NITRILE HYDROGENATED	NH	NBR - 008		H		Mineral and vegetable oils and greases. Better chemical, thermal and ozone resistance	-10 +100	16	NH	-	
NEOPRENE	NE	CR-005 / 1	CR	-	Polychoroprene	Moderate resistance to oil and greases	-25 +80	16	-	GREEN	
WHITE NEOPRENE	NEB	CR - 001		W				(☞)10 or 6	-		
HYPALON	H	CSM - 001	CSM	-	Chlorosulfonated Polyethylene	Moderate resistance to oils, greases and weak acids	-25 +125	16	H	-	
EPICHLORHYDRIN	EP	ECO - 001	ECO	-	Epichlorhydrin ethylen oxide copolymer	Resistance to brine and moderate to oil, fuel	-40 +125	10	EP	-	
VITON	V	FPM - 001	FPM	-	Hexafluorpropylene vinylidene fluoride copolymer	Very good chemical resistance	-15 +210	10	V	-	
WHITE VITON	VB	FPM - 007		W				(☞)10 or 6	V	-	
VITON GF	VP	FPM - 003		GF		HFP-VDF-TFE Terpolymer	Oxygenated Gasoline	-5 +210	10	VP	-
VITON BIO	VD	FPM-006		B		HFP-VDF-TFE Terpolymer	Acids, Steam, Bio diesel The best chemical resistance	-5 +210	10	VD	-
NATURAL RUBBER	R	NR-003 / 1	NR	-	1,4 cis Polyisoprene	Very good abrasion resistance	-15 +70	16	R	-	
WHITE NATURAL R.	RB	NR-001 / 2		W				(☞)10 or 6	R	-	
SILICONE	S	Q - 001	MVQ	-	Poly methyl vinyl siloxane	Highest and lowest temperature resistance	-60 +200	(☞)10 or 6	S	-	
SILICONE FOOD	SA	Q-002 / 1		F				FDA approval, Regulation (EC) 1935/2004	6	S	-
STEAM SILICONE	SV	Q - 004		S		Steam water	-60 +140	6	SV	-	
FLUCAST AB / E	FE	-		EPDM		E	-	Liquid abrasion resistance	-20 +95	10	-
FLUCAST AB / N	FN	-	NBR	N	-	Oils abrasion resistance	-10 +100	10	-	BLUE	
FLUCAST AB / P	FP	-	SBR	P	-	Dry abrasion resistance	-10 +70	6	FP	-	

(☞) ND-40 # 150 = 10 bar, ND-200 #300 = 6 bar

**REMARKS:**

Temperatures and fluid resistance have been supplied from rubber suppliers. **For predetermined conditions contact our Technical Department.** DECOVAL VALVES, S.L. accepts no liability of damages caused by bad interpretation or use in the information included in this table.  
Work temperatures and pressures are calculated in static conditions and don't involve the correct service of the butterfly valve.