Performance Compound Table

			Technical data				Approvals and Conformities																														Key Applications and Industries						
							Food										Drinking Water										Oil & Gas				Pharma/ Medical	Others											
	PRODUCT (short identification)	Description (including main features)	Material	Colour	Hardness (Shore A +/-5)	Temperature (°C) (Short term)	FDA	NSF 51	3-A Sanitary	EC 1935/2004	BfR	LFGB	French Arrete	D.M. 21/03/1973	CB 4806.11	Cognac by BNIC	GMC/RES N°26/99	ACS/CLP	NSF 61	UBA	KTW	DVGW W 270	DVGW W 534	DVGW EN 681-1	ÖNORM B 5014-1	AS/NZS	D.M. 06/04/04 n° 174	WRAS	BAM	DVGW DIN 682	DVGW 549	NORSOK M710	USP	PAH Categorie	ADI free	REACH (EC) No 1907/2006, Annex XIV	RoHS 2011/65/EU & 2015/863/EU	Food & Beverage	Process industry	Drinking water	Pharma, Medical & Healthcare	Chemical industry	General machinery industry	Oil & Gas
KALREZ	KALREZ 0040	Kalrez 0040 has excellent low temperature properties and high elasticity. This compound has been specially developed for applications where high chemical resistance at very low temperatures is required.	FFKM	black	70	-42 to +220																											X						X			X		
	KALREZ 0090	Kalrez 0090 has excellent mechanical properties with very high hardness. This compound has been specially developed for off-shore applications to withstand changing pressures and explosive decompression. Kalrez 0090 is certified according to NORSOK M710	FFKM	black	95	-10 to +250																									X			X									X
	KALREZ 6221	Kalrez 6221 specially developed for the food and pharmaceutical industry. Resistance to CIP/SIP media is a feature of this material. Lowest extraction values in all common media of these industries complement the broad chemical resistance.	FFKM	white	70	-10 to +260	X		X																							X			X			X	X		X	X		
	KALREZ 6230	Kalrez 6230 specially developed for the food and pharmaceutical industries. Resistance to CIP/SIP media is a feature of this material. Lowest extraction values in all common media of these industries complement the broad chemical resistance.	FFKM	black	75	-10 to +260	X		X																							X			X			X	X		X	X		
	KALREZ 6375	Kalrez 6375 offers excellent performance in contact with a wide range of chemicals and over a wide temperature range. The product is an excellent choice for applications in acids.	FFKM	black	75	-20 to +275																											X						X			X		
	KALREZ 4079	Kalrez 4079 is a black, soot-filled compound and a reliable sealing material for the chemical industry. This material has been specially developed for high temperature applications.	FFKM	black	75	-10 to +316																											X						X			X		
	KALREZ 7075	Kalrez 7075 has excellent mechanical properties and a very low compression set, even at extreme temperatures. This compound was developed especially for the chemical industry, which has to reliably seal highly aggressive media at very high temperatures.	FFKM	black	75	-10 to +327																											X						X			X		
PERTEC	PERTEC® CIP FKM 75.501-04	PERTEC® CIP FKM was developed for use wherever the Cleaning in Place (CIP) or Sterilisation in Place (SIP) process is used. Broad resistance to chemicals, cleaning media and also to high temperatures and grease concentration. PERTEC® CIP FKM meets all the necessary regulations for the food, pharmaceutical and medical industries. Low-friction compound for dynamic applications.	FKM	sky-blue	75	-15 to +200	X	X	X	X	X	X	X	X	X	X																	X	1	X			X	X		X	X		X	
	PERTEC® NP FKM 70.501-04	PERTEC® NP FKM is a novel material which has significantly improved sliding properties through the addition of nano-PTFE. Due to the peroxide cross-linking, this material also has good resistance to hot water and steam.	FKM	black	70	-30 to +220	X																											X			X					X	
	PERTEC® NP FKM 80.501-01	PERTEC® NP FKM is a novel material which has significantly improved sliding properties through the addition of nano-PTFE. Due to the peroxide cross-linking, this material also has good resistance to hot water and steam.	FKM	black	80	-30 to +220	X																											X			X					X	
	PERTEC® ST FKM 75.501-02	With PERTEC® ST FKM, Angst+Pfister has developed a high-performance elastomer that is characterized by high resistance to steam and hot water.	FKM	black	75	-15 to +200																											X						X				X	
	PERTEC® UP FKM 70.501-07	With PERTEC® UP FKM - UP means "Ultrapure" - Angst + Pfister has developed a new high-performance material of the PERTEC® family which is especially suitable for applications where absolute purity of the material is indispensable and has the most important approvals in the food sector.	FKM	black	70	-20 to +200	X	X	X	X	X		X	X	X	X				X		X							X					1	X			X	X	X	X	X	X	
	PERTEC® UP VMQ 70.501-01	With PERTEC® UP VMQ - UP means "Ultrapure" - Angst + Pfister has developed a new high-performance material of the PERTEC® family which is especially suitable for applications where absolute purity of the material is indispensable and has the most important approvals in the food sector.	VMQ	transluscent	70	-60 to +200	X	X	X	X		X	X	X	X		X				X										X			X	1	X			X	X	X	X	X	X	
EPDM	EPDM 60.10-04	Peroxide cross-linked slightly softer EPDM material with approvals for drinking water.	EPDM	black	60	-40 to +130	X											X	X	X		X		X				X						X			X	X	X	X		X	
	EPDM 70.10-02 HITEC®	This EPDM material with many approvals for drinking water and foodstuffs has good media resistance to brake fluids, acids and alkalis, the flame-retardant hydraulic fluids HFC and HFD as well as hot water and steam - but is not resistant to mineral oils and greases, petrol and hydrocarbons.	EPDM	black	70	-55 to +150	X	X	X	X			X	X	X		X					X			X	X					X					X			X	X	X	X		X	
	EPDM 70.502-03	This EPDM material with many approvals for drinking water and foodstuffs has good media resistance to brake fluids, acids and alkalis, the flame-retardant hydraulic fluids HFC and HFD as well as hot water and steam - but is not resistant to mineral oils and greases, petrol and hydrocarbons.	EPDM	black	75	-51 to +150	X	X	X	X	X	X	X	X	X	X																	X			X			X	X	X	X		X	
FKM	FKM 70-501-05	FKM material for low temperature applications with very good resistance to media, ozone and ageing.	FKM	black	70	-30 to +200																											X						X				X	X	
	FKM 75-16.04 HITEC®	The HITEC FKM has a very good resistance to media, ozone and ageing and the connection is specially designed for food, gas and pharmaceutical applications. The material is also resistant to fuels, mineral oils and greases as well as aliphatic and aromatic hydrocarbons.	FKM	black	70	-25 to +200	X			X	X		X	X	X														X		X		X		X			X	X		X	X	X	
	FKM 75-16.18	FKM material for high temperature applications with very good resistance to media, ozone and ageing.	FKM	black	75	-25 to +250 (275)																											X										X	X	
	FKM 85-501.01	FKM material for low temperature applications and high pressures with very good resistance to media, ozone and ageing.	FKM	black	85	-40 to +200																											X											X	X
	FKM 90-15.04	FKM material designed for oil and gas applications and meeting NORSOK M710 approval (explosive decompression) and NACE TMO 187 for sour gas.	FKM	black	90	-50 to +225 (250)																										X	X											X	X
FVMQ	FVMQ 70.16-01	Fluorosilicone material with excellent low temperature properties and broad chemical resistance. Meets automotive standard R110(5D-5F-5G)R67(15 par11-13-14) and military MIL-DTL-25988C Class I Type II Grade 70 11-08-06.	FVMQ	blue	70	-60 to +200																											X									X	X	X	
HNBR	HNBR 70-10.09	HNBR material with good ozone and ageing resistance as well as hot water and various oils. This mixture has the required gas approvals.	HNBR	yellow	70	-30 to +150																X							X				X										X	X
	HNBR 70-15.06	HNBR material for low temperature applications with good ozone and ageing resistance as well as hot water and various oils.	HNBR	green	70	-45 to +150																											X											X	X
	HNBR 70-502.03	HNBR material for low temperature applications with good ozone and ageing resistance as well as hot water and various oils.	HNBR	black	70	-40 to +150																											X											X	X
NBR	NBR 60-10.01	NBR material with good resistance to mineral oils and greases, water and glycols, and suitable for gas applications.	NBR	black	60	-30 to +125																											X											X	X
	NBR 70-10.02 HITEC®	High-quality NBR material with approvals in the food and beverage industry and for gas applications. This NBR material also has a high resistance to mineral oils and greases, water and glycols.	NBR	black	70	-20 to +125	X			X				X	X			X	X			X					X					X			X									X	X
	NBR 70-502.02	Low temperature NBR material with good resistance to mineral oils and greases, water and glycols.	NBR	black	70	-50 to +100																											X						X	X				X	X
	NBR 90-10.03	NBR material with good resistance to mineral oils and greases, water and glycols, and suitable for high pressures.	NBR	black	90	-30 to +100																											X											X	X
VMQ	VMQ 60-501-01	Silicone elastomer with good mechanical properties over a wide temperature range.	VMQ	black	60	-50 to +200																											X						X	X				X	X
	VMQ 70-10.01 HITEC®	Silicone elastomer with good mechanical properties over a wide temperature range. This compound is resistant in hot air and ozone, in water, in animal and vegetable oils and fats.	VMQ	red-brown	70	-55 to +200 (230)																											X						X	X	X			X	X
	VMQ 80-501.01	Platinum crosslinked silicone elastomer with good mechanical properties over a wide temperature range.	VMQ	transparent	80	-50 to +200																											X						X					X	