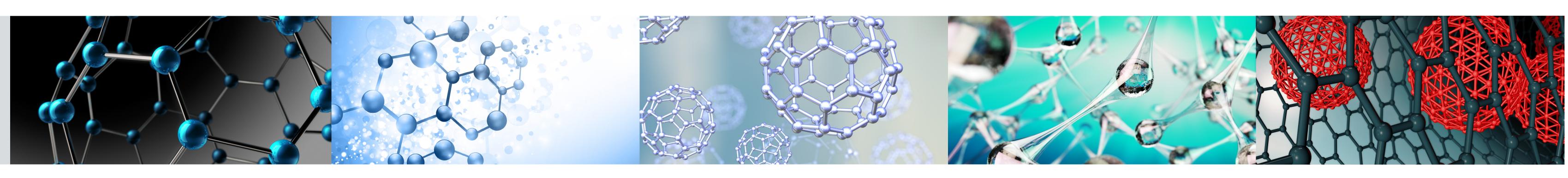


Performance Compounds



																	Approv	vals & Conforr	nities																
			Tec	hnical Da	a				Fo	ood									Drinking Wate	er					Oil & Gas		ırma & edical	o	Others			Key A	Applications & I	ndustries	
(S	Product nort Identification)	Description (Including Main Features)	Material Colour	Hardness (Shore A +/-5)	Temperature (°C) (Short term)	FDA NSF 51	3-A Sanitary	EC 1935/2004 Dutch Commodities Act - Chapter III	BfR	LFGB	French Arreté	D.M. 21/03/1973	GB 4806.11 Cognac by BNIC	GMC/RES N°28/99	ACS/CLP NSF 61	UBA	KTW	DVGW W 270	DVGW W 534 DVGW EN 681-1	KIWA (BRL-K17504)	ÖNORM B 5014-1	AS/NZS D.M. 06/04/04 n° 174	WRAS	BAM	DVGW DIN 682 DVGW 549	NORSOK M710	USP PAH Category	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 Macrimery Industry Oil & Gas
	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 blad	k 70	-42 to +220																							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 whit	e 70	-10 to +260	Х	Х																				X	X			X	X	X	X	
EZ ®	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 blac	k 75	-10 to +260	Х	Х																				X	X			X	X	X	X	
KALR	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 blac	k 75	-20 to +275																											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 blac	k 75	-10 to +316																											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 blac	k 75	-10 to +327																											X		X	
	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-b	lue 75	-15 to +200	хо	X	X	Х	Х	0	0	o x	O										0			X 1	Х	Х	Х	Х	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 blac	k 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 blac	k 70	-20 to +200	хо	X	X	Х	X	0	0	o x	O		X		X					X	0			X 1	Х	Х	Х	X	Х	Х	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 translus	cent 70	-60 to +200	хо	X	X	Х	X	X	X	X	Х			X	Х							Х		X 1	X	Х	Х	X	x x	Х	X	X
	PERTEC® UP EPDM 70.503-0	This EPDM material with most relevant approvals for foodstuffs has good media resistance to brake fluids, acids and alkalis, the flame-retardant hydraulic fluids HFC and HFD as well as hot water, steam and CIP medias - but is not resistant to mineral oils and greases, petrol and hydrocarbons.	EPDM blad	:k 70	-40 to +150	Х	>	Х	Х	X	X	X	X	Х													1	X	Х	Х	Х	X	X		
	EPDM 60.10-04	Peroxide cross-linked slightly softer EPDM material with approvals for drinking water.	EPDM blac	k 60	-40 to +130	Х									ОХ	X			Х	<			X					X				Х			X
EPDM	HITEC® DW EPDM 70.503-0	This EPDM material with most relevant approvals for drinking water (including new KTW-BWGL) 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 blac	k 70	-57 to +150	ХХ	X	X	Х	X		0	O		Х	X			Х	X	X	ХХ	Х				X 1	Х	Х	X	X	Х	Х	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 blac	k 70	-51 to +150	ХХ	>	X					O	0	ХХ	X			х	X	X	Х	X				X	Х			X	x x	Х		X
	FKM 70-501-05	FKM material for low temperature applications with very good resistance to media, ozone and ageing.	FKM blac	k 70	-30 to +200																							X				X		X	X
	HITEC [®] FKM 7 5-16.04	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 blac	k 70	-25 to +200	Х	>	X	Х			0	0											0	Х		X 2	. X	Х	X	X	X	X	X	X
FKM	FKM 75-16.18	FKM material for high temperature applications with very good resistance to media, ozone and ageing.	FKM blac	k 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 blac	k 85	-40 to +200																							X							х х
	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 blad	k 90	-50 to +225 (250)																					X		X							ХХ
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 par 11-13-14) and military MIL-DTL-25988C Class I Type II Grade 70 11-08-06.	FVMQ blue	e 70	-60 to +200																							X					X	X	X
	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 yello	w 70	-40 to +150																				XX			X							X X
HNBR	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 gree	n 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 blac	k 70	-40 to +150																							Х							X X
	NBR 60-10.01	NBR material with good resistance to mineral oils and greases, water and glycols, and suitable for gas applications.	NBR blac	k 60	-30 to +125																				X			Х							X X
BR	HITEC [®] NBR 70-10.02	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 blac	k 70	-20 to +125	X	>	X				0	0		X	X		X			X	X	X		X		2	X	Х	Х					
Z	NBR 70-502.02	Low temperature NBR material with good resistance to mineral oils and greases, water and glycols.	NBR blac	k 70	-50 to +100																							X			X	X			XX
	NBR 90-10.03	NBR material with good resistance to mineral oils and greases, water and glycols, and suitable for high pressures.	NBR blac	k 90	-30 to +100																							X							XX
	VMQ 60-501-01	Silicone elastomer with good mechanical properties over a wide temperature range.	VMQ blac	k 60	-50 to +200																							X			X	X			XX
VMQ	HITEC [®] VMQ <i>7</i> 0-10.01	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-bro	own 70	-55 to +200 (230)	X	X	X	X	X	Х	Х	O												X		X 1	X	X	Х	X	X			x x
	VMQ 80-501.01	Platinum crosslinked silicone elastomer with good mechanical properties over a wide temperature range.	VMQ transpo	rent 80	-50 to +200																							X			X				X