## Angst+Pfister

## Performance Compounds

	Т	echnical Data		Approvals & Conformities													Key Applications & Industries				
		C) a			ties 4	Food		<u>v</u>			Drinking Water	604)		Oil & Gas		edical	Others	ge EU	> 5	τ 2	
Product (Short Identification) (Including Main Features)	Material	Hardness (Shore +/-5) Temperature (° (Short term)	FDA NSF 51	3-A Sanitary	EC 1935/200 Dutch Commodi Act - Chapter	BfR LFGB	French Arretá D.M. 21/03/19 GB 4806.11	Cognac by BN GMC/RES N°28/99	ACS/CLP NSF 61	UBA KTW	DVGW W 27 DVGW W 53 DVGW EN 681	KIWA (BRL-K175 ÖNORM B 501	AS/NZS D.M. 06/04/04 174 WRAS BAM	DVGW DIN 68 DVGW 549	NORSOK M7	USP PAH Categor	ADI free REACH (EC) N 1907/2006, An	XIV XIV & 2015/863/1 Food & Bevera	Process Industr Drinking Wate	Pharma, Medicc Healthcare Chemical Indus	General Machin Industry Oil & Gas
<b>EVOLAST® PN894</b> is used for the Chemical Process industry. Excellent choice for use in aggressive chemical environments, providing a broad chemical resistance to different media such as acids, bases, water, steam, amines, solvent based chemistries. It is recommended as a multipurpose compound in all applications where fluid handling of different substances is required due to its excellent chemical resistance to a wide range of chemicals. Applied in valves, pumps, mechanical seals, sprayers, compressors, reactors.	FFKM bla	ck 75 -25 to +27	75																X	X	
<b>EVOLAST® PN896</b> EVOLAST <sup>®</sup> PN896 is ideal for a wide operational temperature range without compromising chemical resistance in valves, pumps, mechanical seals, sprayers, compressors, reactors. Excellent choice for use in aggressive chemical environments, when thermal resistance is also required, exhibiting outstanding high temperature stability and low compression-set.	FFKM bla	ck 75 -15 to +33	0																X	X	
EVOLAST® PN794 EVOLAST® PN794 is designed for high temperature environments in Food & Beverage for valves, pumps, mechanical seals, sprayers, compressors, reactors applications.	FFKM bla	ck 70 -25 to +27	• X	X	X											x	X	X	X	X X	
EVOLAST® PB794 EVOLAST® PB794 is designed for valves, pumps, mechanical seals, sprayers, biomedical equipment, food equipment, fermenters.	FFKM wh	ite 70 -20 to +27	• X	X	X	X										X	X	X	X	X X	
<b>EVOLAST® PN775</b> EVOLAST <sup>®</sup> PN775 is designed for the Chemical Process industry, especially for use with aggressive chemicals; not suitable for steam and amines. High temperature resistance and a low compression-set at continuos temperature up to 320°C.	FFKM bla	ck 75 -15 to +34	0																X	X	
<b>EVOLAST® PN7LT</b> EVOLAST <sup>®</sup> PN7LT is designed specifically for the Chemical Process industry, where ultra low temperature capabilities are required. Excellent choice for use in aggressive chemicals, acids, bases, steam, amines, organic and inorganic media.	FFKM bla	ck 75 -40 to +25	0																X	X	
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 bla	ck 70 -42 to +22	0														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 wh	ite 70 -10 to +20	• 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 bla	ck 75 -10 to +20	• 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 bla	ck 75 -20 to +27	/5														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 bla	ck 75 -10 to +3	6														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 bla	ck 75 -10 to +32	7														X		X	X	
PERTEC®       PERTEC® CIP FKM 75.501-07 NFS 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 use wherever the cleaning in Place (SIP) 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 the food pharmaceutical and medical industries. Low-friction compound for the food pharmaceutical and medical industries.	or FKM sky-l	olue 75 -15 to +20	• <b>O O</b>	0	0	00	0 0 0	00					0			0 0	0 C		Ο	0 C	
PERTEC®       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 bla	ck 70 -20 to +20	• • •	Ο	0	ΟΟ	0 0 0	ΟΟ		0	0		0 0			0 0	O C		0 0	- 0 C	0
<b>PERTEC®</b> UP VMQ 50.501-02 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 translu	scent 50 -60 to +20	• • •	Ο	0	00	0 0 0	Ο		0	0			Ο		0 0	O C		0 0	O C	
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 translu	scent 70 -60 to +20	• X O	X	X	XX	x x x	X		X	X			X		X 1	X X	X X X	X X	XX	X
PERTEC®       This new ultra pure HNBR is designed for food and beverage application. Depending on the application, this compound could be a PFAS free alternative and can also be used in CIP/SIP applications:	HNBR bla	ck 75 -40 to +15	• 0		0 0	ΟΟ	0 0 0	Ο								0	0 C		Ο	Ο	
<b>PERTEC</b> ® <b>UP EPDM 70.503-04</b> This EPDM material with most relevant approvals for food 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 bla	ck 70 -40 to +15	• <b>X</b>		X X	XX	x x x	X								1	XX	x x x	X	X	
<b>PERTEC®</b> <b>UP EPDM 80.503-01</b> This EPDM material with most relevant approvals for food 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 bla	ck 80 -40 to +15	• 0		0 0	ΟΟ	0 0 0	Ο								0	0 C	000	0	Ο	
EPDM 60.10-04       Peroxide cross-linked slightly softer EPDM material with approvals for drinking water.	EPDM bla	ck 60 -40 to +13	• X						ΟΧ	X	X		X				X		X		X
HITEC <sup>®</sup> DW EPDM 70.503-00 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 flu HFC and HFD as well as hot water and steam - but is not resistant to mineral oils and greases, petrol and hydrocarbons.	<sup>ds</sup> EPDM bla	ck 70 -57 to +15	• X X	X	X	XX	0 0		XX	X	X	x x >	x x x			X 1	x x	xx	XX	x x	X
<b>EPDM 70.502-03</b> 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 was not water and steam - but is not resistant to mineral oils and greases, petrol and hydrocarbons.	ell EPDM bla	ck 70 -51 to +15	• X X		X		0	Ο	XX	X	XX	x x	XX			X	X	X	XX	X	X
FKM 70-501-05       FKM material for low temperature applications with very good resistance to media, ozone and ageing.	FKM bla	ck 70 -30 to +20	00														X		X	X	X
HITEC <sup>®</sup> FKM 75-16.04 The HITEC <sup>®</sup> 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.	t FKM bla	ck 70 -25 to +20	• X		X	X	00						Ο	X		X 2	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 bla	ck 75 -25 to +25 (275)	0														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 bla	ck 85 -40 to +20	0														X				XX
<b>FKM 90-15.04</b> FKM material designed for oil and gas applications and meeting NORSOK M710 approval (explosive decompression) and NACE TMO 187 for sour gas.	FKM bla	ck 90 -50 to +22 (250)	5												X		X				XX
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 blu	ue 70 -60 to +20	0														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 yell	ow 70 -40 to +15	0											XX			X				XX
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 gre	en 70 -45 to +15	0														X				XX
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 bla	ck 70 -40 to +15	0														X				XX
NBR 60-10.01       NBR material with good resistance to mineral oils and greases, water and glycols, and suitable for gas applications.	NBR bla	ck 60 -30 to +12	5											X			X				XX
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 gly cols.	NBR bla	ck 70 -20 to +12	5 <b>X</b>		X		0 0		XX	X	X	X	XX	X		2	X X	X			
NBR 70-502.02       Low temperature NBR material with good resistance to mineral oils and greases, water and glycols.	NBR bla	ck 70 -50 to +10	0														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 bla	ck 90 -30 to +10	0														X				XX
VMQ 60-501-01       Silicone elastomer with good mechanical properties over a wide temperature range.	VMQ bla	ck 60 -50 to +20	0														X	X	X		XX
VMQ 70-10.01       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-b	rown 70 -55 to +20 (230)	<sup>10</sup> X	X	X	XX	X X O							X		X 1	XX	XX	XX		XX
VMQ 80-501.01       Platinum crosslinked silicone elastomer with good mechanical properties over a wide temperature range.	VMQ transp	arent 80 -50 to +20	00														X	X			X

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