Angst+Pfister

Performance Compound Table

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														A	pprovals ar	nd Confor	mities													
				Technical data		Food						Drinking Water						Oil & Gas			Phar- ma/ Others Medical			Key Applications and Industries				ies		
	PRODUCT ort 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 Arreté D.M.	21/03/1973 GB 4806.11	Cognac by BNIC GMC/RES N°28/99	Mercosur GMC 54/97 ACS/CLP	NSF 61	×TX ×TX	DVGW W 270 DVGW W 534	DVGW EN 681- 1 ÖNORM B	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, Meidcal & Healthcare	Chemical industry General machin-	Oil & Gas
KALREZ		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						Х
		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	
	NALKEZ 7073	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	
	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 nec- essary 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										x	x x		X	x	X	x	
	PERTEC® NP FKM 70.501-09	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	-15 to +220	x																		x		X			X	
PERTEC		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	
	TO FOL OT	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				x				x x		x	x	x x	x x	
		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	x x		x	x	x x	x x	
	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	HITECR	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	х	x x	x		x	x	X				x	x	x			x			x		х	х	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	х	x	x											x	x		x	х	x x	x	
	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			х		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	
FKM	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 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		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 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 approv- als.	HNBR	yellow 70	-30 to +150											X				x				x					X	Х
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	green 70	-45 to +150																			x					Х	Х
	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	х
	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	X
NBR	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		х	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		Х	х		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	Х
	VMQ 60-501-01	Silicone elastomer with good mechanical properties over a wide temperature range.	VMQ	black 60	-50 to +200																			x		Х	х		x	Х
VMQ		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	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	
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