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		Description	Color	Application temp.	Hardn. at 20°C	Main application
POLYURETHANE	POLYURETHANE * all Polyurethane grades resistant to hydrolysis	PU U500-R95 red		-30 to +125°C	Shore A 95 +/-2	Lip seals, wiper rings, vee packings and other seal elements Mineral oils, HFA, HFB fluids, water, sea water, dilute acids and alkaline solutions improved chemical and thermal resistance excellent wear and friction properties
		PU U505-P79 petrol		-25 to +100°C	Shore A 79 +/-3	U-cup seals and wipers in pneumatic applications, as a preload element replacing NBR especially in large diameter range. Hydraulic fluids, oil in water emulsions, water power applications and other applications that require high abrasion resistance and elasticity at the same time.
		PU U510-G88 light green		-30 to +115°C	Shore A 90 +/-2	Lip seals, wiper rings, vee packings and other seal elements Mineral oils, HFA, HFB fluids, water, sea water, dilute acids and alkaline solutions Application for pneumatic and low pressure
		PU U520-OR95-HT orange		-30 to +135°C	Shore A 96 +/-2	Lip seals, wiper rings, vee packings and other seal elements Mineral oils, HFA, HFB fluids, water, sea water, dilute acids and alkaline solutions Applications at high temperature
		PU U530-B95-LT light blue		-50 to +105°C	Shore A 95 +/-2	Lip seals, wiper rings, vee packings and other seal elements Mineral oils, HFA, HFB fluids, water, sea water Applications at low temperature
		PU U540-VI95-CR violet		-30 to +115°C	Shore A 95 +/-2	Lip seals, wiper rings, vee packings and other seal elements Mineral oils, HFA, HFB fluids, water, sea water Improved chemical resistance, suitable for CIP processes Applicable for contact with foodstuff
		PU U550-GM95 dark red		-30 to +125°C	Shore A 95 +/-2	Lip seals, wiper rings, vee packings and other seal elements Mineral oils, HFA, HFB fluids, water, sea water Improved wear and friction properties for waterhydraulics and heavy duty applications with low lubrication
		PU U570-D57 blue		-30 to +125°C	Shore D 57 +/-3	Lip seals, wiper rings, vee packings and other seal elements Mineral oils, HFA, HFB fluids, water, sea water High pressure and extrusion resistance
		PU U580-D57G grey		-30 to +125°C	Shore D 57 +/-3	Back-up rings or composite seals with preload element Mineral oils, HFA, HFB fluids, water, sea water High pressure and extrusion resistance Improved wear and friction properties
		PU U203-G95 green		-30 to +105°C	Shore A 95 +/-2	Lip seals, wiper rings, vee packings and other seal elements Mineral oils, HFA, HFB fluids, water, sea water
ELASTOMERS	NBR	NBR N107-B85 black		-25 to +100°C	Shore A 85 +/-5	Lip seals, wiper rings, vee packings and other seal elements Mineral oils, HFA, HFB, HFC fluids, cold water
		NBR 95 N109-B95 black		-25 to +100°C	Shore A 95 +/-5	Lip seals, wiper rings, vee packings and other seal elements Mineral oils, HFA, HFB, HFC fluids, cold water
		NBR FDA N111-W85 white		-22 to +100°C	Shore A 85 +/-3	Lip seals, wiper rings, vee packings and other seal elements Mineral oils, HFA, HFB, HFC fluids, cold water Applicable for contact with foodstuff
	H-NBR	H-NBR HN112-B85 black		-25 to +150°C	Shore A 85 +/-5	Lip seals, wiper rings, vee packings and other seal elements Mineral oils, HFA, HFB, HFC fluids at high temperature Aliphatic hydrocarbons, dilute acids and bases
		H-NBR RGD HN900-B85-RGD black		-20 to +150°C	Shore A 85 +/-5	Lip seals, wiper rings, vee packings and other seal elements Mineral oils, HFA, HFB, HFC fluids at high temperature Aliphatic hydrocarbons, dilute acids and bases RGD (ED) optimized for use in Oil & Gas Industry
		H-NBR RGD LT HN901-B85-RGD black		-40 to +150°C	Shore A 85 +/-5	Lip seals, wiper rings, vee packings and other seal elements Mineral oils, HFA, HFB, HFC fluids at high temperature Aliphatic hydrocarbons, dilute acids and bases RGD (ED) optimized for low temperature use in Oil & Gas Industry Meets the NORSOK M-710 requirements
	F	FPM F109-BR85 brown		-20 to +210°C	Shore A 85 +/-5	Lip seals, wiper rings, vee packings, oil seals at high speed and other seal elements Mineral oils, HFD fluids at high temperature | Very good chemical resistance such as phosphates and chlorinated hydrocarbons, crude and sour gas
		FPM FDA F110-BR85 brown		-25 to +210°C	Shore A 85 +/-5	Mineral oils, HFD fluids at high temperature. Very good chemical resistance such as phosphates and chlorinated hydrocarbons, crude and sour gas | Applicable for contact with foodstuff

	FPM F111-B85 black		-25 to +210°C	Shore A 85 +/-5	Lip seals, wiper rings, vee packings, oil seals at high speed and other seal elements Mineral oils, HFD fluids at high temperature | Very good chemical resistance such as phosphates and chlorinated hydrocarbons, crude and sour gas

ELASTOMERS	FPM	FPM-RGD F800-B85-RGD black		-30 to +210°C	Shore A 85 +/-5	Lip seals, wiper rings, vee packings and other seal elements Mineral oils, HFD fluids at high temperature | Very good chemical resistance such as phosphates and chlorinated hydrocarbons, crude and sour gas | RGD (ED) optimized for use in Oil & Gas Industry | Meets the NORSOK M-710 requirements
	EPDM	EPDM E131-B85 black		-50 to +130°C	Shore A 85 +/-5	Lip seals, vee packings and other seal elements Hot water and steam, ozone, dilute acids and alkaline solutions. EPDM is NOT resistant against mineral oils
		EPDM FDA E132-W85 white		-50 to +100°C	Shore A 85 +/-3	Lip seals, vee packings and other seal elements Hot water and steam, ozone, dilute acids and alkaline solutions. EPDM is NOT resistant against mineral oil Applicable for contact with foodstuff
		EPDM KTW E133-W270 black		-45 to +120°C	Shore A 85 +/-5	Lip seals, vee packings and other seal elements Hot water and steam, dilute acids and alkaline solutions. EPDM is NOT resistant against mineral oil Applicable for use in drinking water
	SILICONE	Silicone FDA S102-R85 red		-55 to +210°C	Shore A 85 +/-5	Flange seals, gaskets and other static seals Mineral oils, HFA, HFB, HFC, HFD fluids, ozone Not recommended for dynamic applications Applicable for contact with foodstuff
		Silicone FDA S103-BL85 blue		-55 to +180°C	Shore A 85 +/-3	Flange seals, gaskets and other static seals Mineral oils, HFA, HFB, HFC, HFD fluids, ozone Not recommended for dynamic applications Applicable for contact with foodstuff
	TFE/P	TFE/P AF101-B85 black		-15 to +210°C	Shore A 85 +/-5	Lip seals, vee packings and other seal elements Mineral oils, HFA, HFB, HFC, HFD fluids Hot water and steam, ozone, dilute acids and alkaline solutions, Sour oil and gas, amines
PLASTICS	PTFE	PTFE-P FDA T101-W white		-200 to +260°C	Shore D 51 - 60	Composite seals with elastomer preload elements, spring loaded seals, Back-up and guide rings Resistance to almost all common chemicals and fluids except molten alkaline metals. Applicable for contact with foodstuff
		PTFE-F T105-G grey		-200 to +260°C	Shore D 55 - 64	Composite seals with elastomer preaload elements Spring loaded seals, back-up and guide rings Resistance to almost all common chemicals and fluids except molten alkaline metals. Glass fibre / MoS2 reinforced for improved wear and extrusion resistance
		PTFE-40% T110-BR40 bronze brown		-200 to +260°C	Shore D 62 - 67	Composite seals with elastomer preaload elements Resistance to almost all common chemicals except molten alkaline metals. Filled with 40% bronze for improved wear, pressure and extrusion resistance
		PTFE-25% T125-C25 carbon grey		-200 to +260°C	Shore D 62 - 67	Composite seals with elastomer preaload elements Spring loaded seals, back-up and guide rings, rotary seals Resistance to almost all common chemicals except molten alkaline metals. 25% carbon powder friction properties and increased extrusion resistance
	PLASTICS	POM FDA P101-WE white		-50 to +100°C	-	Back-up and guide rings, machined parts with tight tolerances Mineral oils, HFA, HFB, HFC fluids Minor absorption of water, applicable for contact with foodstuff
		PA FDA A112-WC natural		-40 to +90°C	-	Back-up and guide rings, machined parts Mineral oils, acids and dilute alkaline solutions Applicable for contact with foodstuff
		PEEK natural PK100-CN beige		-50 to +250°C	Shore D 90	Composite seals with elastomer preload elements, Back-up and guide rings high prescision parts Excellent wear, friction and extrusion properties Resistance to almost all common chemicals Applicable for contact with foodstuff
		UHMW - PE PE1000-HD white		-200 to +80°C	Shore D 60 - 65	Back-up and guide rings, spring loaded seals Mineral oils, HFC, HFD fluids, acids and dilute alkaline solutions, Sour oil and gas Very low water absorption, excellent friction and wear properties Applicable for contact with foodstuff