









# Materials










Color	Material	cod.	Temp. (°C) *	Hardness	Approved FDA	Main application and notes
	PU red	P	-30 / +125	95 °ShA	✓	U-rings, wiper rings and other seal elements. Mineral oil, compressed air, water. Resistant against hydrolysis.
	PU light green	P1	-30 / +115	88 °ShA		U-rings, wiper rings and other seal elements. Mineral oil, compressed air, water. Application for pneumatic and low pressure
	PU orange	P2	-30 / +135	96 °ShA		U-rings, wiper rings and other seal elements. Mineral oil, compressed air, water. Application at elevated temperature.
	PU violet	P3	-30 / +115	95 °ShA	✓	U-rings, wiper rings and other seal elements. Mineral oil, compressed air, water. Improved chemical resistance, suitable for CIP processes. Applicable for contact with foodstuff.
	PU light blue	X	-50 / +105	95 °ShA	✓	U-rings, wiper rings and other seal elements. Mineral oil, compressed air, water. Application at low temperature.
	PU dark red	M	-30 / +125	96 °ShA		U-rings, wiper rings and other seal elements. Mineral oil, compressed air, water. Improved wear and friction properties for water hydraulics, and heavy duty applications with insufficient lubrication.
	PU blue	Q	-30 / +125	57 °ShD	✓	U-rings, wiper rings and other seal elements. Mineral oil, compressed air, water. High pressure and extrusion resistance.
	PU grey	Q2	-30 / +125	57 °ShD		U-rings, wiper rings and other seal elements. Mineral oil, compressed air, water. High pressure and extrusion resistance. Improved wear and friction properties.
	PU	R	-20 / +115	95 °ShA	✓	U-rings, wiper rings and other seal elements. Mineral oil, compressed air, water. High abrasion resistance.
	PU	R2	-37 / +110	96 °ShA	✓	U-rings, wiper rings and other seal elements. Mineral oil, compressed air, water. High abrasion resistance.

POLYURETHANE \*all polyurethane grades resistant to hydrolysis

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	NBR	N	-25 / +100	85 °ShA		U-rings, wiper rings and other seal elements. Mineral oil, compressed air, water.	NBR
	NBR 95	A	-25 / +100	95 °ShA		U-rings, wiper rings and other seal elements. Mineral oil, compressed air, water. High extrusion resistance.	
	NBR FDA	F	-22 / +100	85 °ShA	✓	U-rings, wiper rings and other seal elements. Mineral oil, compressed air, water. Applicable for contact with foodstuff.	
	H-NBR	H	-25 / +150	85 °ShA		U-rings, wiper rings and other seal elements. Mineral oil, compressed air, water. Application for fluids at high temperature, cold water.	
	FPM (viton)	V	-20 / +210	85 °ShA		U-rings, wiper rings and other seal elements. Mineral oil, compressed air, water. Application for fluids at high temperature and aggressive.	FPM
	FPM FDA (viton)	V2	-25 / +210	85 °ShA	✓	U-rings, wiper rings and other seal elements. Mineral oil, compressed air, water. Application for fluids at high temperature and aggressive. Applicable for contact with foodstuff.	
	EPDM	E	-50/+130	85 °ShA		U-rings, wiper rings and other seal elements. Hot water and steam, ozone diluite acids and alkaline solutions. NOT resistant against mineral oils.	EPDM
	EPDM FDA	Z	-50/+100	85 °ShA	✓	U-rings, wiper rings and other seal elements. Hot water and steam, ozone diluite acids and alkaline solutions. NOT resistant against mineral oils. Applicable for contact with foodstuff.	
	Silicone FDA	S	-55/+210	85 °ShA	✓	Flanges seals, gasket and other static seals. For dynamic application is NOT recommended. Applicable for contact with foodstuff.	SILICONE
	Silicone FDA	S2	-55/+210	85 °ShA	✓	Flanges seals, gasket and other static seals. For dynamic application is NOT recommended. Applicable for contact with foodstuff.	

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	AFLAS	I	-15/+210	85 °ShA		U-rings, wiper rings and other seal elements. Hot water and steam, brake fluids, sour oil and gas. High electrical isolation properties.	TFE/P
	PTFE-P FDA	T	-200/+260	55 °ShD	✓	Composite seals with elastomer preload elements, spring loaded seal, back-up and guide rings, low friction, excellent chemical resistance. Applicable for contact with foodstuff.	PTFE
	PTFE-40%	B	-200/+260	64 °ShD		Composite seals with elastomer preload elements, spring loaded seal, back-up and guide rings, low friction, excellent chemical resistance. Filled with 40% bronze for improved wear, low friction.	
	PTFE-60%	B6	-200/+260	67 °ShD		Composite seals with elastomer preload elements, spring loaded seal, back-up and guide rings, low friction, excellent chemical resistance. Filled with 60% bronze for improved wear, low friction.	
	PTFE-25%	C	-200/+260	64 °ShD		Composite seals with elastomer preload elements, spring loaded seal, back-up and guide rings, low friction, excellent chemical resistance. Filled with 25% carbon for improved wear, low friction.	
	PTFE-25%	G	-200/+260	55 °ShD		Composite seals with elastomer preload elements, spring loaded seal, back-up and guide rings, low friction, excellent chemical resistance. Filled with glass fibre/MoS2 for improved wear, low friction.	
	POM FDA	D	-50/+100	/	✓	Back-up and guide rings, machined parts. Very stable in wet and dry environments is also recommended for precision parts, where close tolerances are required.	PLASTICS
	PA FDA	Y	-30/+100	/	✓	Back-up and guide rings, machined parts.	
	PEEK	K	-50/+250	90 °ShD	✓	Composite seals with elastomer preload elements, spring loaded seal, back-up and guide rings, low friction, high precision parts.	
	UHMW-PE	U	-200/+80	63 °ShD		Composite seals with elastomer preload elements, spring loaded seal, back-up and guide rings, low friction.	