



ELASTOMERS

For Oilfield Environments

FLUID AND PHYSICAL ENVIRONMENTAL COMPATIBILITY											
Compound	Hardness	Temperature	Sweet	Crude H ₂ S	CO ₂	Inhibitors		Zinc Bromide	Brines KCL CACL	Comments	
						Water Base	Oil Base				
173 NBR	75A	-30° TO 300°F	YES	Low Conc	YES	NO	Low Conc	Below 150°F	YES	General Purpose GT Rings, O-Rings	
979 XNBR	65D	0° TO 300°F	YES	NO	YES	NO	Low Conc	Below 225°F	YES	Random Fiber Vee Rings	
982 XNBR	82A	-20° TO 225°F	YES	NO	YES	NO	Low Conc	YES	YES	Peroxide Cure GT Rings, O-Rings	
984 XNBR	90A	-20° TO 225°F	YES	NO	YES	NO	Low Conc	YES	YES	Peroxide Cure GT Rings, O-Rings	
207 HNBR	70A	-40° TO 350°F	YES	Low Conc	YES	Low Conc	Low Conc	YES	YES	Peroxide Cure GT Rings, O-Rings	
208 HNBR	80A	-40° TO 300°F	YES	Low Conc	YES	Low Conc	Low Conc	YES	YES	Peroxide Cure GT Rings, O-Rings, Vee Rings	
952 EPR	80A	-65° TO 300°F	YES	Low Conc						Phosphate Esters Water Water Glycol	
803 EPDM	80A	-50° TO 300°F				FORMULATED FOR GEOTHERMAL					Peroxide Cured resistance to explosive decompression Peroxide Cured resistance to explosive decompression
804 EPDM	90A	-50° TO 300°F				FORMULATED FOR GEOTHERMAL					
978 CR	65D	0° TO 300°F	YES	NO	Low Conc	NO	NO	Below 150°F	YES	Oriented Fiber, High Swell Formulated Vee Rings	
980 CR	65D	-40° TO 300°F	YES	NO	Low Conc	NO	NO	Below 150°F	YES	Oriented Fiber Vee Rings	
727 FKM	90A	0° TO 450°F	YES	Low Conc	YES	NO	NO	YES	YES	High Sulphur Crudes no Amine inhibitors high flourine	
729 FKM	75A	0° TO 450°F	YES	Low Conc	YES	NO	NO	YES	YES	High Sulphur Crudes no Amine inhibitors high flourine GT Rings, O-Rings	
731 FKM	75A	-20° TO 450°F	YES	Low Conc	YES	NO	NO	YES	YES	No Amine inhibitors GT Rings, O-Rings	
759 FKM	95A	-20° TO 450°F	YES	Low Conc	YES	NO	NO	YES	YES	No Amine inhibitors GT Rings, O-Rings	
926 FKM	90A	-20° TO 450°F	YES	Low Conc	YES	NO	NO	YES	YES	Excellent ED Resistance No Amine Inhibitors Vee Rings	
927 FKM	90A	-20° TO 450°F	YES	Low Conc	YES	NO	NO	YES	YES	No Amine inhibitors GT Rings, O-Rings	
929 FKM	65D	-20° TO 400°F	YES	Low Conc	YES	NO	NO	YES	YES	No Amine inhibitors Random Fiber, Vee	
936 FKM	90A	-35° TO 450°F	YES	Low Conc	YES	NO	NO	YES	YES	Excellent ED Resistance No Amine inhibitors Vee Rings O-Rings, GT Rings	
790 TFE/P	95A	0° TO 450°F	YES	YES	YES	YES	YES	YES	YES	OK in Amine Steam Vee Rings	
794 TFE/P	60D	-10° TO 450°F	YES	YES	YES	YES	YES	YES	YES	OK in Amine Steam Vee Rings fiber filled	

* These tables are intended as a guide to Seal Suitability for specific applications. Contact GT direct with full operating parameters.

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						Water Base	Oil Base			
797 TFE/P	80A	20° TO 450°F	YES	YES	YES	YES	YES	YES	YES	OK in Amine Steam GT Rings, O-Rings
799 TFE/P	90A	20° TO 450°F	YES	YES	YES	YES	YES	YES	YES	ED Resistance OK in Amine Steam GT Rings, O-Rings, Vee Rings
CHEMRAZ 505 FFKM	75A	-22° TO 428°F	YES	YES	YES	YES	YES	YES	YES	Homogeneous Chemraz Chemically inert GT Rings, O-Ring
CHEMRAZ 510 FFKM	90A	-22° TO 428°F	YES	YES	YES	YES	YES	YES	YES	Homogeneous Chemraz Chemically inert GT Rings, O-Ring, Vee Rings
CHEMRAZ 522 FFKM	95	0° TO 400°F	YES	YES	YES	YES	YES	YES	YES	Filled Chemraz Vee Rings
CHEMRAZ 526 FFKM	95	0° TO 400°F	YES	YES	YES	YES	YES	YES	YES	Fiber Filled Chemraz Vee Rings, Excellent ED Resistance
CHEMRAZ 600 FFKM	90	-4° TO 500°F	YES	YES	YES	ES	YES	YES	YES	Homogeneous Chemraz Chemically inert GT Rings, O-Ring, Vee Rings
CHEMRAZ 605 FFKM	80	-4° TO 500°F	YES	YES	YES	YES	YES	YES	YES	Homogeneous Chemraz Chemically inert GT Rings, O-Ring, Vee Rings

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