VG292-75

Coolant resistant low temperature FKM

Excellent Resistance:

Parker's VG292-75 offers new to world resistance to all Heavy Duty Diesel Engine coolants and -40°C sealing capability. Extensive laboratory testing has shown VG292 has excellent resistance to ethylene glycol based coolants as well as Organic Acid Technology (OAT) coolants, NOAT's and Hybrids like G40. VG292-75 has also been compounded for industry leading compression set resistance, a property not typical of coolant resistant, low temp FKM.

Contact Information:

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Benefits:

- -40°C capable sealing
- Rated 150°C continuous usage in coolant, 175°C excursions
- Improve service life of cylinder liner seals, EGR coolers and aftercoolers
- Excellent resistance to extended life coolants
- Readily available - samples possible in 2-3 weeks
- ULSD resistant

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VG292-75 Material Test Report		
Original physical properties	Test method	Test results
Hardness, shore A, pts.	ASTM D2240	75
Tensile strength, MPa, min	ASTM D412	13.1
Elongation, %, min.	ASTM D412	302
Compression Set Test Method B 70 hrs. @ 200°C		
Percent of original deflection, max (O-rings 2-214)	ASTM D1414	17
Compression Set Test Method B 1000 hrs. @ 175°C		
Percent of original deflection, max (O-rings 2-214)		+57
Heat aging resistance test 1008 hrs. @ 150°C		
Hardness change, pts.	ASTM D573	+2
Tensile strength, change %	ASTM D573	+21
Elongation change, %	ASTM D573	-13
Coolant resistance test G40 hybrid/dist. water 50:50 mix 1008 hrs. @ 150°C		
Hardness change, max. pts.	ASTM D471	+1
Tensile strength, change, max. %	ASTM D471	-43
Elongation change, max. %	ASTM D471	-42
Volume change, max. %	ASTM D471	+1
Compression set, %	ASTM D471	24
Coolant resistance test shell rotella noat/dist. water 50:50 mix 1008 hrs. @ 150°C		
Hardness change, pts.	ASTM D471	-2
Tensile strength change, %	ASTM D471	-39
Elongation change, %	ASTM D471	-34
Volume change, %	ASTM D471	+6
Compression set, %	ASTM D471	28
Low Temperature Resistance		
TR-10, °C	ASTM D1329	-30

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