



General Features

- Excellent compression set resistance and compression set resistance
- Very good resistance to all aqueous media; water, steam, aqueous acids/bases, as well as glycol-based coolants, including organic acid technology coolants
- Excellent low temperature performance
- Excellent resistance to glycol-based brake fluids

Application

Designed for use in Transportation (Automotive) applications requiring contact with aqueous and glycol-based solutions such as coolants and brake fluids.

560ND offers excellent compression set resistance, heat resistance, and low temperature flexibility.



Engine Seals



Intake Manifold Seals



Bonded Seals



Valve Body Seals



Transmission Seals



Hydraulic and Pneumatic Seals



Quad-Ring® Seals



Quad® Brand O-Rings & Ground Rubber Balls

Original Properties

Property	Unit	Required	Obtained	ASTM Test Method
Hardness	Shore A	70 ± 5	73	D 2240
Tensile	MPa	10 min	16.7	D 412
Elongation at break	%		219	D 412
100% Modulus	MPa		4.7	D 412
Tear Strength, Die C	kN/m		15.8	D 624
Specific Gravity			1.11	D 297

Air Age

Property	Unit	Obtained	ASTM Test Method	Property	Unit	Obtained	ASTM Test Method
Change after 70h @ 100°C				Change after 168h @ 125°C			
Δ Hardness	Shore A	3	D 573	Δ Hardness	Shore A	3	D 573
Δ Tensile	%	18.4		Δ Tensile	%	18.4	
Δ Elongation	%	4.8		Δ Elongation	%	4.8	

Qmonix® EPDM Elastomer Compound 560NF

Fluid Immersion

Property	Unit	Obtained	ASTM Test Method	Property	Unit	Obtained	ASTM Test Method
Water				Caterpillar ELC			
Change after 70h @ 100°C			D 471	Change after 1008h @ 125°C			D 471
Δ Hardness	Shore A	-1		Δ Hardness	Shore A	1	
Δ Tensile	%	10.9		Δ Tensile	%	6.4	
Δ Elongation	%	4.3		Δ Elongation	%	0.5	
Δ Volume	%	0.1		Δ Volume	%	-1.1	

Property	Unit	Obtained	ASTM Test Method	Property	Unit	Obtained	ASTM Test Method
DOT 3 Brake Fluid				Diesel Exhaust Fluid (DEF)			
Change after 168h @ 150°C			D 471	Change after 168h @ 125°C			D 471
Δ Hardness	Shore A	-3		Δ Hardness	Shore A	-7	
Δ Tensile	%	13.6		Δ Tensile	%	10.2	
Δ Elongation	%	-0.5		Δ Elongation	%	-12.5	
Δ Volume	%	5.2		Δ Volume	%	47.9	

Property	Unit	Obtained	ASTM Test Method	Property	Unit	Obtained	ASTM Test Method
DexCool Coolant				DexCool Coolant			
Change after 70h @ 125°C			D 471	Change after 168h @ 125°C			D 471
Δ Hardness	Shore A	3		Δ Hardness	Shore A	1	
Δ Tensile	%	21.8		Δ Tensile	%	16.3	
Δ Elongation	%	3.4		Δ Elongation	%	8.7	
Δ Volume	%	-0.4		Δ Volume	%	-0.4	

Property	Unit	Obtained	ASTM Test Method	Property	Unit	Obtained	ASTM Test Method
DexCool Coolant				DexCool Coolant			
Change after 1008h @125°C			D 471	Change after 70h @ 135°C			D 471
Δ Hardness	Shore A	3		Δ Hardness	Shore A	0	
Δ Tensile	%	15		Δ Tensile	%	-5.2	
Δ Elongation	%	-1.4		Δ Elongation	%	-10.6	
Δ Volume	%	-0.7		Δ Volume	%	1	

Compression Set Resistance

Property	Unit	Obtained	ASTM Test Method
			D 395, Method B
22h @ 100°C	%	8.4	
70h @ 100°C	%	10.4	
22h @ 125°C	%	7.1	
70h @ 125°C	%	11.1	
22h @ 150°C	%	10.9	
70h @ 150°C	%	19	

Low Temperature

Property	Obtained	ASTM Test Method
Glass Transition Temperature, °C	-50	D 7426



To get a quote or order, please visit our website or contact one of our Customer Service Representatives
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