



General Features

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

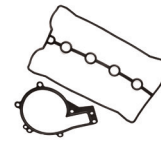
Application

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	16.9	D 412
Elongation at break	%		213	D 412
100% Modulus	MPa		4.9	D 412
Tear Strength, Die C	kN/m		16.9	D 624
Specific Gravity			1.12	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			
D 573				D 573			
Δ Hardness	Shore A	-2		Δ Hardness	Shore A	3	
Δ Tensile	%	0		Δ Tensile	%	10.3	
Δ Elongation	%	-4.5		Δ Elongation	%	4	

Qmonix® EPDM Elastomer Compound 560ND

Fluid Immersion

Property	Unit	Obtained	ASTM Test Method
Water			
Change after 70h @ 100°C			D 471
Δ Hardness	Shore A	-2	
Δ Tensile	%	18.3	
Δ Elongation	%	-0.5	
Δ Volume	%	0.8	

Property	Unit	Obtained	ASTM Test Method
Caterpillar ELC			
Change after 1008h @ 125°C			D 471
Δ Hardness	Shore A	-1	
Δ Tensile	%	2.5	
Δ Elongation	%	1.9	
Δ Volume	%	-0.2	

Property	Unit	Obtained	ASTM Test Method
DOT 3 Brake Fluid			
Change after 168h @ 150°C			D 471
Δ Hardness	Shore A	-5	
Δ Tensile	%	-0.8	
Δ Elongation	%	-6.5	
Δ Volume	%	5.4	

Property	Unit	Obtained	ASTM Test Method
Diesel Exhaust Fluid (DEF)			
Change after 168h @ 125°C			D 471
Δ Hardness	Shore A	-9	
Δ Tensile	%	-0.8	
Δ Elongation	%	-24	
Δ Volume	%	53.7	

Property	Unit	Obtained	ASTM Test Method
DexCool Coolant			
Change after 168h @ 125°C			D 471
Δ Hardness	Shore A	0	
Δ Tensile	%	16.3	
Δ Elongation	%	-7	
Δ Volume	%	0	

Property	Unit	Obtained	ASTM Test Method
DexCool Coolant			
Change after 1008h @125°C			D 471
Δ Hardness	Shore A	0	
Δ Tensile	%	9.5	
Δ Elongation	%	-8.5	
Δ Volume	%	0.1	

Compression Set Resistance

Property	Unit	Obtained	ASTM Test Method
D 395, Method B			
22h @ 100°C	%	6.4	
70h @ 100°C	%	8.8	
22h @ 125°C	%	8.3	
70h @ 125°C	%	11.1	

Low Temperature

Property	Obtained	ASTM Test Method
Glass Transition Temperature, °C	-53	D 7426



To get a quote or order, please visit our website or contact one of our Customer Service Representatives
USA: 1(800)927-1422 Asia: +86-512 6273 2700 Europe: +33(0)2 32 22 24 26