



## General Features

- Excellent compression set resistance
- Superior heat resistance
- Excellent resistance to petroleum oils, greases, and fuels
- Good low temperature performance

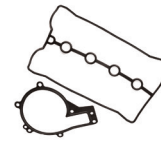
## Application

A general purpose HNBR with excellent aging resistance for suitability in demanding sealing applications.

574CX exhibits excellent resistance to wide range of petroleum products, automotive coolants, refrigerants and lubricants while providing good 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	71	D 2240
Tensile	MPa	10 min	21.1	D 412
Elongation at break	%		242	D 412
100% Modulus	MPa		5	D 412
Tear Strength, Die C	kN/m		17.9	D 624
Specific Gravity			1.21	D 297

## Air Age

Property	Unit	Obtained	ASTM Test Method
Change after 70h @ 150°C			D 573
Δ Hardness	Shore A	3	
Δ Tensile	%	-0.8	
Δ Elongation	%	0.8	

# HNBR (Highly Saturated Nitrile) Elastomer Compound 574CX

## Fluid Immersion

Property	Unit	Obtained	ASTM Test Method
IRM 901 oil			
Change after 70h @ 150°C			D 471
Δ Hardness	Shore A	0	
Δ Tensile	%	-2.2	
Δ Elongation	%	-4.1	
Δ Volume	%	-1.5	

Property	Unit	Obtained	ASTM Test Method
IRM 903 oil			
Change after 70h @ 150°C			D 471
Δ Hardness	Shore A	-7	
Δ Tensile	%	-0.8	
Δ Elongation	%	0.8	
Δ Volume	%	12.4	

Property	Unit	Obtained	ASTM Test Method
Diesel Exhaust Fluid (DEF)			
Change after 168h @ 125°C			D 471
Δ Hardness	Shore A	-3	
Δ Tensile	%	-9.4	
Δ Elongation	%	6.2	
Δ Volume	%	6.9	

Property	Unit	Obtained	ASTM Test Method
Caterpillar ELC Coolant (50% with DI Water)			
Change after 336h @ 150°C			D 471
Δ Hardness	Shore A	-2	
Δ Tensile	%	-3.8	
Δ Elongation	%	0.7	
Δ Volume	%	1.1	

Property	Unit	Obtained	ASTM Test Method
Mobil 1 Dexos 0W-20 Motor Oil			
Change after 70h @ 100°C			D 471
Δ Hardness	Shore A	-2	
Δ Tensile	%	2.5	
Δ Elongation	%	6.2	
Δ Volume	%	0.5	

Property	Unit	Obtained	ASTM Test Method
Mobil 1 Dexos 0W-20 Motor Oil containing 0.88% by volume of 15.8 Normal Nitric Acid			
Change after 70h @ 100°C			D 471
Δ Hardness	Shore A	-1	
Δ Tensile	%	-2.1	
Δ Elongation	%	-12.4	
Δ Volume	%	1.2	

Property	Unit	Obtained	ASTM Test Method
Ford Premium Coolant (50% with DI Water)			
Change after 336h @ 150°C			D 471
Δ Hardness	Shore A	-3	
Δ Tensile	%	-8.4	
Δ Elongation	%	-2.6	
Δ Volume	%	2.3	

Property	Unit	Obtained	ASTM Test Method
GM DexCool Coolant (50% with DI Water)			
Change after 336h @ 150°C			D 471
Δ Hardness	Shore A	-3	
Δ Tensile	%	-12.6	
Δ Elongation	%	2.2	
Δ Volume	%	3.1	

## Compression Set Resistance

Property	Unit	Obtained	ASTM Test Method
			D 395, Method B
22h @ 150°C	%	7.4	
70h @ 150°C	%	11.4	

## Low Temperature

Property	Obtained	ASTM Test Method
Glass Transition Temperature, °C	-27	D 7426
Temperature Retraction, TR10, °C	-27	D 1329



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