



## General Features

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

## Application

A low temperature flexible HNBR with excellent aging resistance for suitability in demanding sealing applications.

574DX exhibits very good resistance to a wide range of petroleum products and lubricants while providing excellent 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	74	D 2240
Tensile	MPa	10 min	17	D 412
Elongation at break	%		155	D 412
100% Modulus	MPa		10	D 412
Tear Strength, Die C	kN/m		12.6	D 624
Specific Gravity			1.28	D 297

## Air Age

Property	Unit	Obtained	ASTM Test Method
Change after 70h @ 150°C			D 573
Δ Hardness	Shore A	2	
Δ Tensile	%	5.6	
Δ Elongation	%	4.5	

# HNBR (Highly Saturated Nitrile) Elastomer Compound 574DX

## Fluid Immersion

Property	Unit	Obtained	ASTM Test Method
IRM 901 oil			
Change after 70h @ 150°C			D 471
Δ Hardness	Shore A	-2	
Δ Tensile	%	9.8	
Δ Elongation	%	5.2	
Δ Volume	%	0.9	

Property	Unit	Obtained	ASTM Test Method
IRM 903 oil			
Change after 70h @ 150°C			D 471
Δ Hardness	Shore A	-13	
Δ Tensile	%	-12.1	
Δ Elongation	%	0	
Δ Volume	%	28.3	

Property	Unit	Obtained	ASTM Test Method
Diesel Exhaust Fluid (DEF)			
Change after 168h @ 125°C			D 471
Δ Hardness	Shore A	-5	
Δ Tensile	%	-10.3	
Δ Elongation	%	17.2	
Δ Volume	%	9.7	

Property	Unit	Obtained	ASTM Test Method
Mobil 1 Dexos 0W-20 Motor Oil			
Change after 70h @ 100°C			D 471
Δ Hardness	Shore A	-4	
Δ Tensile	%	3	
Δ Elongation	%	-7.7	
Δ Volume	%	4	

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	-5	
Δ Tensile	%	2.3	
Δ Elongation	%	-6.5	
Δ Volume	%	4.4	

## Compression Set Resistance

Property	Unit	Obtained	ASTM Test Method
			D 395, Method B
22h @ 150°C	%	6.5	
70h @ 150°C	%	11.9	

## Low Temperature

Property	Obtained	ASTM Test Method
Glass Transition Temperature, °C	-43	D 7426



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